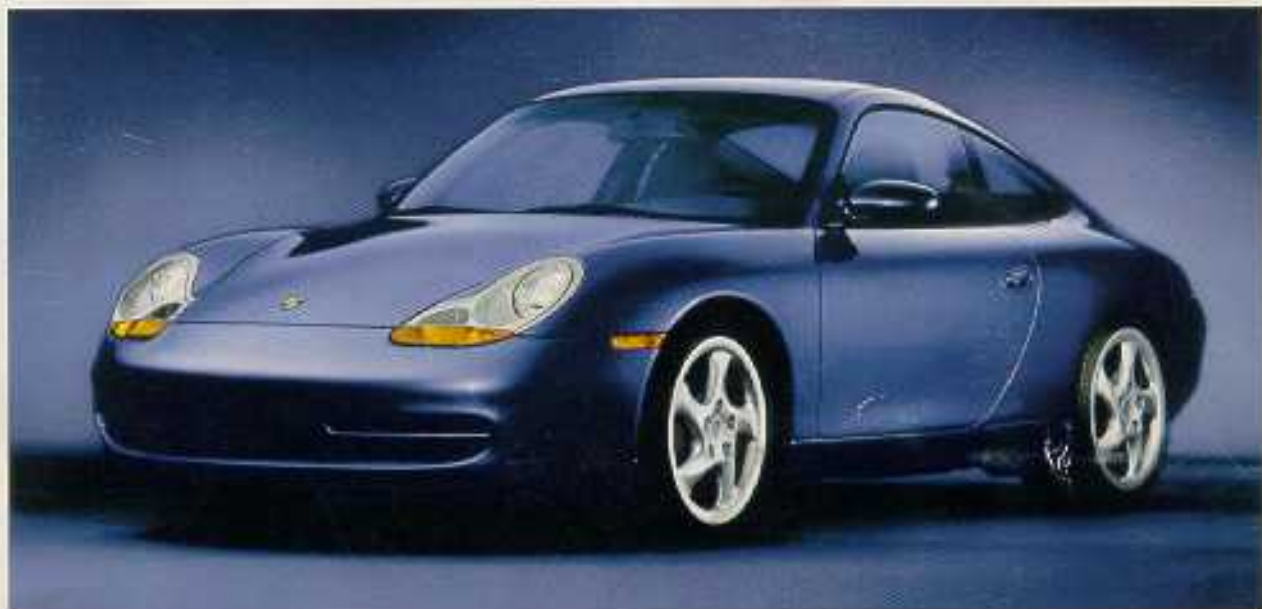




PORSCHE



# Porsche Special Tools

Illustrated Catalog

June 1998

# How To Use This Catalog

This catalog lists special tools used on Porsche vehicles.

## Table of Contents

The table of contents is sorted numerically by the tool number. Use this list to locate specific tool information in the catalog, and to get tool part number (for ordering purposes). This list also indicates whether the tool is a minimum required tool.

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
P 203	000 721 203 00	Wrench	911/914	1	
P 206	000 721 206 00	Gauge	All	1	Yes
P 207	000 721 207 00	Dial Gauge Holder	911	1	Yes
P 208 b	999 571 047 02	Spanner Wrench	911	1	Yes
P 209	X	Holder	911/914	1	
P 209 a	000 721 209 10	Mounting Plate	911	1	Yes

### Tool Number

Tool number can be found in repair manuals and in most cases is stamped on tool.

### Description

General description of tool.

### Page Number

Refers to the page number that the tool is located on.

### Ordering Number

This is the Porsche part number used to order the tool. (X) in column indicates that tool is not available through Porsche and can be ordered through one of the suppliers listed below.

### Model

Generally, this is the model that the tool was applicable to. However, as new models get introduced some existing tools may be required.

### Minimum Requirement

This indicates whether the tool is part of the authorized Porsche dealers minimum tool requirements.

## Tool Suppliers

Porsche tools that have an (X) in the ordering number field can be sourced from one of the following suppliers.

### Baum Tools Unlimited, Inc.

P.O. Box 5867  
Sarasota, FL 34277-5867

Telephone - (800) 848-6657

Telephone - (941) 927-1414

Fax - (941) 927-1612

### Kent Moore Tools

28635 Mound Road  
Warren, MI 48092

Telephone - (800) 345-2233

Tool Number	Ordering Number	Description	Model	Minimum Requirement
<input type="checkbox"/> P 1 a	X	Electric Piston Heater	356/911/912	
<input type="checkbox"/> P 1 b	X	Electric Piston Heater	356	
<input type="checkbox"/> P 2	X	Piston Pin Mandrel	356	
<input type="checkbox"/> P 2 a	X	Piston Pin Mandrel	356/911/924/914	7
<input type="checkbox"/> P 3	X	Spark Plug Wrench	356	39
<input type="checkbox"/> P 5	X	Socket	356	8
<input type="checkbox"/> P 7	X	Valve Spring Compressor	356	8
<input type="checkbox"/> P 8 a	X	Piston Ring Compressor	356	8
<input type="checkbox"/> P 10 a	X	Valve Spring Gauge	356	8
<input type="checkbox"/> P 10 b	000 721 010 20	Valve Spring Gauge	356/911/912/914	8
<input type="checkbox"/> P 10 c	000 721 010 30	Valve Spring Gauge	911	8 Yes
<input type="checkbox"/> P 11	X	Valve Seat Cutter Handle	356	8
<input type="checkbox"/> P 11 A	X	Valve Seat Cutter Handle	356/911/912	8
<input type="checkbox"/> P 12	X	Valve Seat Cutters	356	9
<input type="checkbox"/> P 12 a	X	Valve Seat Cutters	356/911/912	9
<input type="checkbox"/> P 13 c	X	Setting Ring	356	9
<input type="checkbox"/> P 15	X	Piston Pin Press	356	9
<input type="checkbox"/> P 16	X	Dial Gauge Holder	356	9
<input type="checkbox"/> P 17	X	Dial Gauge Holder	356	9
<input type="checkbox"/> P 18	X	Spacer Tubes	356	9
<input type="checkbox"/> P 19 a	X	T Handle Wrench	356	9
<input type="checkbox"/> P 20	X	Piston Ring Gap Grinder	All	10
<input type="checkbox"/> P 21 b	X	Gauge	356	10
<input type="checkbox"/> P 22	X	Gauge Setting Ring	356	10
<input type="checkbox"/> P 23	X	Carburetor Wrench, 12mm	356	39
<input type="checkbox"/> P 25 a	000 721 025 10	Calibration Vial	356/911/912/914	20
<input type="checkbox"/> P 25 b	000 721 025 20	Calibration Vial	911	20
<input type="checkbox"/> P 27 a	X	Assembly Plate	356	13
<input type="checkbox"/> P 30	X	Puller	356	91
<input type="checkbox"/> P 30 a	X	Puller	356/911/912/914	91
<input type="checkbox"/> P 31	X	Holder	356	47
<input type="checkbox"/> P 31 a	X	Guide	356	47
<input type="checkbox"/> P 33	X	Gauge	356	47
<input type="checkbox"/> P 34 a	X	Shaft Holding Clamp	356	47
<input type="checkbox"/> P 35 a	X	Gauge	356	47
<input type="checkbox"/> P 36	X	Wrench Guide	356	91
<input type="checkbox"/> P 36 a	X	Holder	356	91
<input type="checkbox"/> P 37	000 721 037 00	Drive Shaft Lock Plate	356/911/912/914	48
<input type="checkbox"/> P 37 a	000 721 037 10	Drive Shaft Lock Plate	911	48
<input type="checkbox"/> P 38	X	Centering Bar	356	91
<input type="checkbox"/> P 39	X	Collar	356	48
<input type="checkbox"/> P 41	X	Assembly Ring	356	48
<input type="checkbox"/> P 43	X	Puller	356	10
<input type="checkbox"/> P 44	X	Socket	356	10
<input type="checkbox"/> P 44 a	X	Socket Extension	356/911	91
<input type="checkbox"/> P 45	X	Pipe	356	10
<input type="checkbox"/> P 46	X	Socket	356	48
<input type="checkbox"/> P 47	X	Piston Clamp	356	92

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 Minimum Requirement  
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 Check Box  
 P 48  
 P 49  
 P 50

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Check Box

Check Box

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> P 48	X	Rivet Tool	356	92	
<input type="checkbox"/> P 49	X	Retaining Spring	356	10	
<input type="checkbox"/> P 50	X	Ball End Punch	356	10	
<input type="checkbox"/> P 51	X	Sleeve	356	11	
<input type="checkbox"/> P 53	X	Radius Arm Jack	356	92	
<input type="checkbox"/> P 54	X	Puller	356	92	
<input type="checkbox"/> P 55	X	Press Stand	356	48	
<input type="checkbox"/> P 56	000 721 056 00	Press Block	356	48	
<input type="checkbox"/> P 57	X	Guide Pin (short)	356	49	
<input type="checkbox"/> P 58	X	Guide Pin (long)	356	49	
<input type="checkbox"/> P 59	X	Puller	356	49	
<input type="checkbox"/> P 60	X	Mandrel	356	49	
<input type="checkbox"/> P 61	X	Mandrel	356	49	
<input type="checkbox"/> P 62	X	Mandrel	356	49	
<input type="checkbox"/> P 63	X	Puller	356	92	
<input type="checkbox"/> P 64	X	Mandrel	356	49	
<input type="checkbox"/> P 65	X	Plate	356	49	
<input type="checkbox"/> P 66	X	Puller	356	50	
<input type="checkbox"/> P 67	X	Press Guide	356	50	
<input type="checkbox"/> P 68	X	Guide	356	50	
<input type="checkbox"/> P 69	X	Stub Axle Gauge	914	50	
<input type="checkbox"/> P 70	X	Suspension Arm Gauges	356	92	
<input type="checkbox"/> P 71	X	Sleeve	356	92	
<input type="checkbox"/> P 72	X	Puller	356	92	
<input type="checkbox"/> P 73	X	Press	356	11	
<input type="checkbox"/> P 74	000 721 074 00	Screwdriver Socket	356/911/912/914	11	
<input type="checkbox"/> P 75	X	Synchrometer	356	39	
<input type="checkbox"/> P 76	X	Carburetor Wrench, 5.5mm	356/911/912	39	
<input type="checkbox"/> P 77	X	Carburetor Level Gauge	356	39	
<input type="checkbox"/> P 78	X	Carburetor Level Gauge	356/912	40	
<input type="checkbox"/> P 83	X	Spreader	356/911/912/914	93	
<input type="checkbox"/> P 84	X	Piston Gauge	356/911/912/914	93	
<input type="checkbox"/> P 84 b	X	Piston Gauge	911	93	
<input type="checkbox"/> P 85	000 721 085 00	Pressure Piece	All	93	
<input type="checkbox"/> P 86	000 721 086 00	Extractor Hook	356/911/912/914	93	
<input type="checkbox"/> P 87	X	Gauge Holder (W/O gauge)	356/911/912/914	93	
<input type="checkbox"/> P 88	X	Torx Head Wrenches, 6 & 8mm	911/912/914	93	
<input type="checkbox"/> P 102	X	Puller	356	11	
<input type="checkbox"/> P 103	X	Seal Installer	356	11	
<input type="checkbox"/> P 104	X	Puller	356	11	
<input type="checkbox"/> P 105	X	Piston Pin Mandrel	356	11	
<input type="checkbox"/> P 107	X	Cam Lobe Assembly Arbor	356	11	
<input type="checkbox"/> P 108	X	Cam Lobe Disassembly Arbor	356	12	
<input type="checkbox"/> P 109	X	Cam Disassembly Fixture	356	12	
<input type="checkbox"/> P 113	X	Degree Wheel	356	12	
<input type="checkbox"/> P 114	X	Valve Spring Compressor	356	12	
<input type="checkbox"/> P 115	X	Feeler Gauge	356	12	
<input type="checkbox"/> P 116	X	Holding Wrench	356	2	

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> P 117 c	X	Spark Plug Socket	356	40	
<input type="checkbox"/> P 118	X	Allen Wrench	356	12	
<input type="checkbox"/> P 119	000 721 119 00	10mm Allen Wrench		12	
<input type="checkbox"/> P 120 a	X	T Handle Swivel Wrench	356/911/914	40	
<input type="checkbox"/> P 120 b	X	T Handle Swivel Wrench	911/914	40	
<input type="checkbox"/> P 121	X	Arbor for Camshaft Drive	356	12	
<input type="checkbox"/> P 122	X	Reamer	356	13	
<input type="checkbox"/> P 123	X	Handwheel	356	13	
<input type="checkbox"/> P 124	X	T-wrench	356	13	
<input type="checkbox"/> P 125	X	Puller	356	13	
<input type="checkbox"/> P 128 a	X	Gauge	356	13	
<input type="checkbox"/> P 128 b	X	Gauge	356	13	
<input type="checkbox"/> P 130	X	Allen Wrench	356	13	
<input type="checkbox"/> P 131	X	Holding Key	356	40	
<input type="checkbox"/> P 132	X	Holder for Dial Gauge	356	13	
<input type="checkbox"/> P 133	X	Threaded Gland Nut	356	14	
<input type="checkbox"/> P 134	X	Puller	356	14	
<input type="checkbox"/> P 138	X	Box Spanner	356	14	
<input type="checkbox"/> P 139	X	Wrench	356	14	
<input type="checkbox"/> P 140	000 721 140 00	Securing Nut	911	14	Yes
<input type="checkbox"/> P 141	X	Valve Spring Compressor	356	14	
<input type="checkbox"/> P 142	X	Fitting Hoop	356	14	
<input type="checkbox"/> P 143	X	Setting Gauge	356	50	
<input type="checkbox"/> P 200	Use P 200 a	Valve Spring Compressor	911/914	14	
<input type="checkbox"/> P 200 a	000 721 200 10	Valve Spring Compressor	All	15	Yes
<input type="checkbox"/> P 201	000 721 201 00	Engine Stand Adapter	All	15, 50	Yes
<input type="checkbox"/> P 201 b	000 721 201 20	Mounting Parts	911	15	Yes
<input type="checkbox"/> P 202	000 721 202 00	Wrench	911/914	15	
<input type="checkbox"/> P 203	000 721 203 00	Wrench	911/914	15	
<input type="checkbox"/> P 206	000 721 206 00	Gauge	All	15	
<input type="checkbox"/> P 207	000 721 207 00	Dial Gauge Holder	911	15	Yes
<input type="checkbox"/> P 208 b	999 571 047 02	Spanner Wrench	911	15	
<input type="checkbox"/> P 209	X	Holder	911/914	16	
<input type="checkbox"/> P 209 a	000 721 209 10	Mounting Plate	911	16	Yes
<input type="checkbox"/> P 212	000 721 212 00	Camshaft Pin Extractor	911	16	Yes
<input type="checkbox"/> P 213 b	000 721 213 20	Valve Adjustment Gauge	911	16	Yes
<input type="checkbox"/> P 214	000 721 214 00	Clamp	911/914	16	
<input type="checkbox"/> P 214 c	000 721 214 30	Gauge Ring	911/914	16	
<input type="checkbox"/> P 215	000 721 215 00	Seal Installer	911/914	16	
<input type="checkbox"/> P 215	Use 216 a	Seal Installer	911	16	
<input type="checkbox"/> P 216 a	000 721 216 10	Seal Installer	911	17	
<input type="checkbox"/> P 216 b	000 721 216 20	Center Bolt	911	17	Yes
<input type="checkbox"/> P 216 d	000 721 216 40	Seal Installer	911	17	Yes
<input type="checkbox"/> P 217	000 721 217 00	T Handle Wrench	911/914	40	
<input type="checkbox"/> P 218	000 721 218 00	Mandrel	911/914	17	
<input type="checkbox"/> P 219 a	000 721 219 10	Support Sleeve	911	50	
<input type="checkbox"/> P 220	X	Dial Gauge Holder	911	17	
<input type="checkbox"/> P 221	000 721 221 00	Straps	911	17	Yes

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> P 222	000 721 222 00	Straps	911	17	Yes
<input type="checkbox"/> P 224	X	Adapter	911/914	17	
<input type="checkbox"/> P 226 a	X	Carburetor Level Gauge	356/911	40	
<input type="checkbox"/> P 228 b	000 721 228 20	Calibrated Angle Plates	911	40	
<input type="checkbox"/> P 228 c	000 721 228 30	Calibrated Angle Plates	911	41	
<input type="checkbox"/> P 229 b	000 721 229 30	Hex Head Screwdriver	911	41	
<input type="checkbox"/> P 230 b	000 721 230 20	T Handle Wrench	911	41	
<input type="checkbox"/> P 230 c	X	Hex Head Screwdriver	911	41	
<input type="checkbox"/> P 231 b	000 721 231 20	T Handle Wrench	911	41	
<input type="checkbox"/> P 233 b	000 721 233 20	Manometer	911	41	
<input type="checkbox"/> P 234 b	000 721 234 20	Tension Lever	911	41	
<input type="checkbox"/> P 235	X	Synchrometer	911	41	
<input type="checkbox"/> P 235 a	000 721 235 10	Sealing Cone	911	42	
<input type="checkbox"/> P 236	000 721 236 00	Injection Test Pipe	911	42	
<input type="checkbox"/> P 237	X	Thermometer	911	42	
<input type="checkbox"/> P 238	Use P 238 a	Flywheel Holder	911	18	
<input type="checkbox"/> P 238 a	000 721 238 10	Flywheel Holder	911	18	
<input type="checkbox"/> P 238 b	000 721 238 20	Flywheel Holder	911	18	
<input type="checkbox"/> P 252	000 721 252 00	Hex Socket, 32mm	911/912/914	50	
<input type="checkbox"/> P 252 a	X	Hex Socket, 41mm	911	51	
<input type="checkbox"/> P 253	000 721 253 00	Press Plate	911/912/914	51	
<input type="checkbox"/> P 254	000 721 254 00	Driver Set	All	51	Yes
<input type="checkbox"/> P 254 a	000 721 254 10	Pressure Piece	All	51	Yes
<input type="checkbox"/> P 254 b	000 721 254 20	Pressure Piece	All	51	Yes
<input type="checkbox"/> P 254 c	000 721 254 30	Pressure Piece	All	51	Yes
<input type="checkbox"/> P 254 d	000 721 254 40	Pressure Piece	All	51	Yes
<input type="checkbox"/> P 255	000 721 255 00	Guide Sleeve	911/912/914	51	
<input type="checkbox"/> P 255 a	000 721 255 10	Guide Sleeve	911	52	
<input type="checkbox"/> P 256	000 721 256 00	Holding Plate	911/912/914	52	
<input type="checkbox"/> P 257	X	Drifts	911/912	52	
<input type="checkbox"/> P 258	X	Transmission Gauge	911/912/914	52	
<input type="checkbox"/> P 258 b	X	Bushings	911	52	
<input type="checkbox"/> P 258 c	X	Adjusting Block	911	52	
<input type="checkbox"/> P 259	X	Clamp & Gauge Holder	911/912/914	52	
<input type="checkbox"/> P 259 a	X	Holder	911	52	
<input type="checkbox"/> P 259 b	X	Measuring Gauge	911	53	
<input type="checkbox"/> P 260	000 721 260 00	Holding Plate	911/912/914	53	
<input type="checkbox"/> P 260 a	000 721 260 10	Holding Plate	911	53	
<input type="checkbox"/> P 262	000 721 262 00	Mandrel	911/912/914	53	
<input type="checkbox"/> P 263	000 721 263 00	Press Pipe	All	53, 93	Yes
<input type="checkbox"/> P 264	000 721 264 00	Press Piece	911/912/914	53	
<input type="checkbox"/> P 264 b	000 721 264 20	Press Piece	All	53	Yes
<input type="checkbox"/> P 265 b	000 721 265 20	Pressure Piece	911/912/914	53	
<input type="checkbox"/> P 265 c	000 721 265 30	Pressure Piece	911	54	Yes
<input type="checkbox"/> P 265 d	000 721 265 40	Pressure Piece	911	54	Yes
<input type="checkbox"/> P 279	000 721 279 00	Socket	911	109	
<input type="checkbox"/> P 280 b	000 721 280 20	Spanner	911	94	Yes
<input type="checkbox"/> P 281	X	T Handle Wrench	911/912	117	

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> P 281 a	000 721 281 10	T Handle Wrench	911	117	
<input type="checkbox"/> P 282	X	Puller	911/912	94	
<input type="checkbox"/> P 283	000 721 283 00	Pressure Piece	911/912	94	
<input type="checkbox"/> P 284	X	Alignment Fixture	911/912	94	
<input type="checkbox"/> P 284 b	000 721 284 20	Alignment Fixture	911/912	94	
<input type="checkbox"/> P 284 c	000 721 284 30	Alignment Fixture	914	94	
<input type="checkbox"/> P 285 b	X	Alignment Fixture	911/912/914	94	
<input type="checkbox"/> P 286	000 721 286 00	Alignment Fixture	911/912	94	
<input type="checkbox"/> P 286 b	000 721 286 20	Alignment Fixture	914	95	
<input type="checkbox"/> P 286 c	000 721 286 30	Alignment Fixture	911/912/914	95	
<input type="checkbox"/> P 286 d	000 721 286 40	Sleeve and Cap	911	95	
<input type="checkbox"/> P 287	X	Assembly Fixture	911/912	95	
<input type="checkbox"/> P 288 a	X	Alignment Fixture	911/912/914	95	
<input type="checkbox"/> P 288 b	X	Alignment Fixture	911/912/914	95	
<input type="checkbox"/> P 289	Use P 289 a	Radius Arm Tensioner	911	95	
<input type="checkbox"/> P 289 a	000 721 289 10	Radius Arm Tensioner	911	95	
<input type="checkbox"/> P 290	000 721 290 00	Extractor	911/912/914	107	
<input type="checkbox"/> P 290 a	000 721 290 10	Puller	911	107	
<input type="checkbox"/> P 290 b	000 721 290 20	Attachment	911/912/914	107	
<input type="checkbox"/> P 293	X	Puller	911/912	96	
<input type="checkbox"/> P 294	000 721 294 00	Seal Installer	911/912	96	
<input type="checkbox"/> P 295	X	Alignment Fixture	911/912	96	
<input type="checkbox"/> P 295 b	000 721 295 20	Alignment Fixture	911/912	96	
<input type="checkbox"/> P 297	000 721 297 00	Mandrel	911/912	96	
<input type="checkbox"/> P 297 a	000 721 297 10	Mandrel	911	96	
<input type="checkbox"/> P 298	000 721 298 00	Pressure Piece	911/912	96	
<input type="checkbox"/> P 298 b	000 721 298 20	Pressing Tool	911/912/914	96	
<input type="checkbox"/> P 299	000 721 299 00	Installing Tool	911	54	
<input type="checkbox"/> P 300	000 721 300 00	Socket, 19mm	911	97	Yes
<input type="checkbox"/> P 301 b	X	Measuring Gauge	911/912	97	
<input type="checkbox"/> P 302	000 721 302 00	Pressure Piece	911/912/914	97	
<input type="checkbox"/> P 303	X	Clamping Jaws	914	97	
<input type="checkbox"/> P 304	X	Lever	914	107	
<input type="checkbox"/> P 351	000 721 351 00	Assembly Plate	911/914	54	
<input type="checkbox"/> P 353	000 721 353 00	Remover	911/914	54	
<input type="checkbox"/> P 353 a	000 721 353 10	Remover	911	54	
<input type="checkbox"/> P 354	000 721 354 00	Press Piece	911/914	54	
<input type="checkbox"/> P 355	000 721 355 00	Holder	911/914	54	
<input type="checkbox"/> P 355 a	X	Holder	911	55	
<input type="checkbox"/> P 356	000 721 356 00	Stop Plate	911/914	55	
<input type="checkbox"/> P 356 b	X	Stop Plate	911/912	55	
<input type="checkbox"/> P 357	000 721 357 00	Clamp & Gauge Holder	911/914	55	
<input type="checkbox"/> P 357 a	000 721 357 10	Holder	911	55	
<input type="checkbox"/> P 358	000 721 358 00	Seal Installer	911	55	
<input type="checkbox"/> P 358 a	000 721 358 10	Seal Installer	911	55	
<input type="checkbox"/> P 359	000 721 359 00	Seal Installer	911/914	55	
<input type="checkbox"/> P 360	000 721 360 00	Seal Installer	911/914	56	
<input type="checkbox"/> P 360 a	000 721 360 10	Seal Installer	911	56	

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Check Box

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> P 361	000 721 361 00	Mandrel	911	56	
<input type="checkbox"/> P 362	X	Seal Installer	911/914	56	
<input type="checkbox"/> P 364	000 721 364 00	Sleeve	911/914	56	
<input type="checkbox"/> P 365	X	Sleeve	911/914	56	
<input type="checkbox"/> P 366	X	T Handle	911	56	
<input type="checkbox"/> P 369	000 721 369 00	Seal Installer	911	56	
<input type="checkbox"/> P 370	X	Alignment Tool	911	57	
<input type="checkbox"/> P 371	000 721 371 00	Pressure Piece	911	57	
<input type="checkbox"/> P 372	000 721 372 00	Alignment Tools	911	56	
<input type="checkbox"/> P 373	000 721 373 00	Alignment Tool	911	56	
<input type="checkbox"/> P 374	000 721 374 00	Seal Installer	911	56	
<input type="checkbox"/> P 375	000 721 375 00	Mandrel	911	56	
<input type="checkbox"/> P 376	000 721 376 00	Input Shaft Holder	911	56	
<input type="checkbox"/> P 377	000 721 377 00	Allen Head Wrench, 3mm	924	42	
<input type="checkbox"/> P 378 b	000 721 378 20	Connecting Pipe	All	42	
<input type="checkbox"/> P 378 c	000 721 378 30	Connection Line Set	All	42	
<input type="checkbox"/> P 379	X	Mandrel	914	57	
<input type="checkbox"/> P 381	000 721 381 00	Seal Installer	911	58	Yes
<input type="checkbox"/> P 381 a	000 721 381 10	Seal Installer	911	58	Yes
<input type="checkbox"/> P 382	000 721 382 00	Sleeve	911	58	Yes
<input type="checkbox"/> P 386	000 721 386 00	Puller	911	58	
<input type="checkbox"/> P 388	000 721 388 00	Screwdriver	911	117	
<input type="checkbox"/> P 850	X	Front Axle Gauge	911/912	107	
<input type="checkbox"/> P 852	000 721 852 00	Template	911/912	107	
<input type="checkbox"/> P 853	000 721 853 00	Template	911/912	107	
<input type="checkbox"/> P 854	000 721 854 00	Template	911/912	107	
<input type="checkbox"/> P 856	000 721 856 00	Template	911	108	
<input type="checkbox"/> PNA 500 521 00	PNA 500 521 00	Service Seat Covers	All	1	Yes
<input type="checkbox"/> PNA 500 986 00	PNA 501 986 00	Service Cover Set	Boxster	1	Yes
<input type="checkbox"/> PNA 504 993 00	PNA 504 993 00	Front Fender Cover	911	1	Yes
<input type="checkbox"/> PNA 505 993 00	PNA 505 993 00	Rear Body Cover	911	1	Yes
<input type="checkbox"/> PNA 721 000	X	Pinout Box	All	1	
<input type="checkbox"/> PNA 721 001	PNA 721 001	205 mm Dial Indicator Ext.	944	7	Yes
<input type="checkbox"/> PNA 721 002	PNA 721 002	ATF Fill Coupler	928	47	Yes
<input type="checkbox"/> PNA 721 003	See VW 387	Dial Indicator Holder		1	Yes
<input type="checkbox"/> PNA 721 004	X	Electrical Test Lead Set	All	1	Yes
<input type="checkbox"/> PNA 721 005	PNA 721 005	ABS II System Tester	All	91	
<input type="checkbox"/> PNA 721 006	PNA 721 006	A/C Pump Holder	All	12	Yes
<input type="checkbox"/> PNA 721 007	PNA 721 007	A/C Clutch Puller	All	12	Yes
<input type="checkbox"/> PNA 721 008	PNA 721 008	Puller	All	12	Yes
<input type="checkbox"/> PNA 721 009	PNA 721 009	Press	All	12	Yes
<input type="checkbox"/> PNA 721 010	PNA 721 010	Puller	All	12	Yes
<input type="checkbox"/> PNA 721 011	PNA 721 011	Puller	All	12	Yes
<input type="checkbox"/> PNA 721 012	PNA 721 012	Mandrel	All	12	Yes
<input type="checkbox"/> PNA 721 014	X	Front Fender Cover	924	1	
<input type="checkbox"/> PNA 721 015	X	Front Fender Cover	928	2	
<input type="checkbox"/> PNA 721 016	X	Front Fender Cover	944	2	
<input type="checkbox"/> PNA 721 020	PNA 721 020	Release Tool	All	117	Yes



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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> PNA 721 021	PNA 721 021	Release Tool	All	117	Yes
<input type="checkbox"/> PNA 721 022	PNA 721 022	Valve Spring Compressor	944/928	7	Yes
<input type="checkbox"/> PNA 721 023	X	Torque Angle Meter		7	Yes
<input type="checkbox"/> PNA 721 026	X	Carbon Blaster Adapter	911/928/944	7	
<input type="checkbox"/> PNA 721 027	X	Torque Wrench		2	Yes
<input type="checkbox"/> PNA 721 028	PNA 721 028	ABS 55 Pin Coupler	911/928	91	Yes
<input type="checkbox"/> PNA 721 029 A	See 9135				
<input type="checkbox"/> PNA 721 031	See VW 517				
<input type="checkbox"/> PNA 721 036	PNA 721 036	Pressing Device	968	47	Yes
<input type="checkbox"/> PNA 721 037	PNA 721 037	Gear Puller	911	47	Yes
<input type="checkbox"/> PNA 721 038	PNA 721 038	Cabrio Window Tool	911	109	
<input type="checkbox"/> PNA 721 040	PNA 721 040	Connector Tool Kit		2	Yes
<input type="checkbox"/> PNA 721 041	PNA 721 041	Connector Tool Kit		2	Yes
<input type="checkbox"/> PNA 721 042	PNA 721 042	12 Point Angle Wrench	911	39	Yes
<input type="checkbox"/> US 1006	X	Allen Socket, 12mm	All	18	Yes
<input type="checkbox"/> US 1008 a	X	Piston Ring Compressor	911	18	Yes
<input type="checkbox"/> US 1020	X	Valve Spring Compressor	All	18	Yes
<input type="checkbox"/> US 1020/1	X	Adapter	All	18	Yes
<input type="checkbox"/> US 1037	X	Puller	All	58	Yes
<input type="checkbox"/> US 1039	X	Puller	All	58	Yes
<input type="checkbox"/> US 1078	X	Puller	All	58	Yes
<input type="checkbox"/> US 1079	X	Puller Hooks	All	58	Yes
<input type="checkbox"/> US 1103	X	Separator	All	59	Yes
<input type="checkbox"/> US 1105	X	Chain Sling	924	18	
<input type="checkbox"/> US 1108	X	Puller	All	59	Yes
<input type="checkbox"/> US 4404 a	X	Clamping Plate	914	19	
<input type="checkbox"/> US 4450	X	Driver Set	All	59	Yes
<input type="checkbox"/> US 8025	X	Oil Temperature Gauge	All	42	
<input type="checkbox"/> US 8034	X	Injector Tester	911	42	
<input type="checkbox"/> US 8038	X	Bar	All	59	Yes
<input type="checkbox"/> US 8050	X	Driver Set	All	59	
<input type="checkbox"/> VAG 1582 & /2	X	Puller w/Grip	Boxster	59	
<input type="checkbox"/> VAG 1739	X	Allen Wrench	911	109	Yes
<input type="checkbox"/> VAG 1924	X	ATF Filling Device	Boxster	59	
<input type="checkbox"/> VW 121 b	X	Piston Ring Pliers	All	19	
<input type="checkbox"/> VW 124 a	X	Drift	914	19	
<input type="checkbox"/> VW 161 a	X	Snap Ring Pliers	All	19, 59, 97	Yes
<input type="checkbox"/> VW 184	X	Retainer Ring	911/914	60	
<input type="checkbox"/> VW 185	X	Press Plate	914	19	
<input type="checkbox"/> VW 190	X	Seal Installer	914	19	
<input type="checkbox"/> VW 191	X	Seal Installer	356/911/914	19	
<input type="checkbox"/> VW 192	X	Seal Installer	Boxster	60	
<input type="checkbox"/> VW 195	X	Mandrel	Boxster	60	
<input type="checkbox"/> VW 202	X	Puller	356/911/914	19	
<input type="checkbox"/> VW 202 a	X	Extractor Hooks	356/911/914	20	
<input type="checkbox"/> VW 204 b	X	Seal Installer	912	20	
<input type="checkbox"/> VW 207	X	Mandrel	911/914	60	
<input type="checkbox"/> VW 207 c	X	Mandrel	912/914	20	

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> VW 214 f	X	Test Gauge	914	20	
<input type="checkbox"/> VW 215 c	X	Flywheel Lock	914	60	
<input type="checkbox"/> VW 228 b	X	Extractor	911/914	20, 43	
<input type="checkbox"/> VW 244 b	X	Mandrel	911/914	60	Yes
<input type="checkbox"/> VW 259	X	Gauge	356	97	
<input type="checkbox"/> VW 261	X	Protractor	911/914	97	
<input type="checkbox"/> VW 267 a	X	Pressing Tool	928	98	
<input type="checkbox"/> VW 270 a	X	Gauge	356	98	
<input type="checkbox"/> VW 273 a	X	Mandrel	356	98	
<input type="checkbox"/> VW 274 a	X	Reamer	356	98	
<input type="checkbox"/> VW 295	X	Mandrel	All	60	Yes
<input type="checkbox"/> VW 295 a	X	Driver	Boxster/944	60	Yes
<input type="checkbox"/> VW 296	X	Press	Boxster	61	
<input type="checkbox"/> VW 311 s	X	Valve Spring Compressor	914	20	
<input type="checkbox"/> VW 313	X	Support	All	2	Yes
<input type="checkbox"/> VW 340	X	Spring Compressor	914/924	98	
<input type="checkbox"/> VW 351	X	Holder	944	61	Yes
<input type="checkbox"/> VW 353	X	Holder	944	61	Yes
<input type="checkbox"/> VW 382/10	X	Dial Gauge Extension	928	61	Yes
<input type="checkbox"/> VW 385/1	X	Measuring Bar	All	61	Yes
<input type="checkbox"/> VW 385/2	X	Centering Disc	911/944	61	Yes
<input type="checkbox"/> VW 385/3	X	Centering Discs	911/944	61	Yes
<input type="checkbox"/> VW 385/4	X	Centering Disc	928	61	Yes
<input type="checkbox"/> VW 385/13	X	Gauge Plunger, 19mm	944	62	Yes
<input type="checkbox"/> VW 385/14	X	Gauge Plunger, 30mm	911/928	62	Yes
<input type="checkbox"/> VW 385/15	X	Extension Pin, 9.3mm	911/944	62	Yes
<input type="checkbox"/> VW 385/17	X	Magnetic Plate	All	62	Yes
<input type="checkbox"/> VW 385/26	X	Master Gauge	924	62	
<input type="checkbox"/> VW 385/27	X	Master Gauge	924	62	
<input type="checkbox"/> VW 385/28	X	Measurement Surface	944	62	Yes
<input type="checkbox"/> VW 385/30	X	Universal Master Gauge	All	62	Yes
<input type="checkbox"/> VW 385/33	X	Gauge	Boxster	63	
<input type="checkbox"/> VW 385/53	X	Extension Pin, 14mm	911	63	Yes
<input type="checkbox"/> VW 385/56	X	Extension Pin	911	63	Yes
<input type="checkbox"/> VW 386 a	X	Drive Pin Holder	944	63	Yes
<input type="checkbox"/> VW 387	X	Dial Indicator Holder		2	Yes
<input type="checkbox"/> VW 388	X	Measuring Lever	All	63	Yes
<input type="checkbox"/> VW 401	X	Pressing Plate		3	Yes
<input type="checkbox"/> VW 402	X	Pressing Plate		3	Yes
<input type="checkbox"/> VW 407	X	Pressing Drift		3	Yes
<input type="checkbox"/> VW 408 a	X	Pressing Drift		3	Yes
<input type="checkbox"/> VW 409	X	Pressing Drift		3	Yes
<input type="checkbox"/> VW 411	X	Pressing Drift		3	Yes
<input type="checkbox"/> VW 412	X	Pressing Pad		3	Yes
<input type="checkbox"/> VW 415 a	X	Pipe Section, 60mm Diameter		3	Yes
<input type="checkbox"/> VW 416 b	X	Pipe Section	911	98	Yes
<input type="checkbox"/> VW 418 a	X	Pipe Section	911/914	63	
<input type="checkbox"/> VW 420	X	Pipe Section	911	63	Yes

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> VW 421	X	Pipe Section		4	
<input type="checkbox"/> VW 422	X	Slotted Pipe Section		4	
<input type="checkbox"/> VW 423	X	Mandrel	944	63	Yes
<input type="checkbox"/> VW 426	X	Pipe Section		4	Yes
<input type="checkbox"/> VW 428 a	X	Guide Sleeve	356/914	20	
<input type="checkbox"/> VW 431	X	Pressure Piece	944	64	Yes
<input type="checkbox"/> VW 432	X	Pressure Piece	356/911/914	64, 98	Yes
<input type="checkbox"/> VW 433	X	Seal Installer	All	64, 98	Yes
<input type="checkbox"/> VW 434	X	Pressure Piece	356	99	
<input type="checkbox"/> VW 439	X	Mandrel	911/914	64	
<input type="checkbox"/> VW 441	X	Pressure Piece	928/944	99	
<input type="checkbox"/> VW 442	X	Pressure Piece	356/911/914	64	
<input type="checkbox"/> VW 447 h	X	Pressure Piece	All	99	Yes
<input type="checkbox"/> VW 447 i	X	Pressure Piece	All	99	
<input type="checkbox"/> VW 449 c	X	Pressure Piece	914	99	
<input type="checkbox"/> VW 454	X	Pressure Piece	944	64	Yes
<input type="checkbox"/> VW 455	X	Pressure Piece	928	99	Yes
<input type="checkbox"/> VW 457	X	Support Channels		5	Yes
<input type="checkbox"/> VW 459	X	Pressure Piece	928	99	
<input type="checkbox"/> VW 470	X	Thrust Rings	944	64	
<input type="checkbox"/> VW 472	X	Pressure Piece	944	64	Yes
<input type="checkbox"/> VW 473	X	Pressure Piece	944	65	Yes
<input type="checkbox"/> VW 510	X	Pressure Piece	944	65	Yes
<input type="checkbox"/> VW 511	X	Pressure Piece	All	99	Yes
<input type="checkbox"/> VW 516	X	Pipe	944	65	
<input type="checkbox"/> VW 517	PNA 721 031	Threaded Spindle	911	65	Yes
<input type="checkbox"/> VW 519	X	Pipe	944	65	Yes
<input type="checkbox"/> VW 521/4	X	Locking Sleeve	All	65	Yes
<input type="checkbox"/> VW 521/8	X	Adapter Sleeve	944	65	Yes
<input type="checkbox"/> VW 540	X	Holder	944	65	Yes
<input type="checkbox"/> VW 541/1	X	Lever	944	20	
<input type="checkbox"/> VW 544	X	Spanner Wrench	944	66	
<input type="checkbox"/> VW 545/2	X	Seal Installer	944	66	Yes
<input type="checkbox"/> VW 551	X	Seal Installer	944	66	Yes
<input type="checkbox"/> VW 637/2	X	Puller	914/924	100	
<input type="checkbox"/> VW 655/3	X	Radius Arm Tensioner	924	100	
<input type="checkbox"/> VW 659/2	X	Dial Gauge Holder	356/914	21	
<input type="checkbox"/> VW 681	X	Extractor Hook	944	66	Yes
<input type="checkbox"/> VW 771/1	X	Slide Hammer	All	66	Yes
<input type="checkbox"/> VW 771/13	X	Extension	944	66	Yes
<input type="checkbox"/> VW 771/15	X	Threaded Piece	All	66	Yes
<input type="checkbox"/> VW 783	X	Riveting Tool	914	66	
<input type="checkbox"/> VW 792/1	X	Holder	Boxster	67	
<input type="checkbox"/> VW 1318	X	Fuel Pressure Gauge	All	43	Yes
<input type="checkbox"/> VW 1342	X	Oil Pressure Gauge	928/944	21	Yes
<input type="checkbox"/> VW 3276	See PNA 721 036	Pressing Device	968	67	
<input type="checkbox"/> 10-9	X	Driver	924	21	
<input type="checkbox"/> 10-202	X	Puller	924	21	

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
10-203	X	Pressing Tool	944	21	
10-204	X	Pressing Tool	All	21	Yes
10-218	X	Pliers	924	21	Yes
10-221	X	Extractor	924	21	
10-222	Use 10-222a1	Support	924	22	
10-222a1	X	Support Device	944/968/Boxster	22	Yes
2002	X	Extractor	924	22	
2008	X	Tray	924	68	
2008a	X	Tray	944	68	
2012	X	Spanner	924/928	22	
2012a	X	Wrench	924/928/944	43	
2033	X	Seal Installer	924	22	
2036	X	Fixture	944	22	
2050	X	Pressure Piece	944	68	
2055	X	Protection Sleeve	944	68	Yes
2056	X	Mandrel	944	68	
2062	X	Seal Installer	944	68	Yes
2085	X	Extractor	924	22	
30-11	X	Pressure Piece	All	67	
30-205	X	Pressure Piece	944	67	
30-21	X	Mandrel	944	67	
30-24	X	Seal Installer	944	67	
3005	X	Pressure Piece	Boxster	69	
3015	X	Reamer, 9mm	924/928/944	23	
3022	X	Clamp	944	69	Yes
3054	X	Assembly Stand	All	4	Yes
3094	X	Hose Clamp	Boxster	69	
3120	X	Reamer, 7mm	928/944	23	
3128	X	Pressure Piece	Boxster	69	
3167	X	Gauge	Boxster	69	
3177	X	Retainer	Boxster	69	
32-111	X	Pipe	944	67	
3235	X	Pressure Piece	Boxster	69	
3295	X	Seal Installer	Boxster	69	
3381	X	Gauge	Boxster	70	
3382	X	Seal Installer	Boxster	70	
3383	X	Seal Installer	Boxster	70	
3385	X	Sleeve	Boxster	70	
40-105	X	Pressure Piece	All	67	
40-202	X	Pressure Piece	Boxster	68	
40-204	X	Clamp	924	100	
40-21	X	Pipe	944	68	Yes
730/5	X	Torque Wrench	All	4	Yes
730/12	X	Torque Wrench	All	4	Yes
87035	PNA 721 040 35	Connector Tool		2	
88040	PNA 721 040 40	Connector Tool		2	
88070	PNA 721 040 70	Connector Tool		2	
89090	PNA 721 040 90	Connector Tool		2	

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> 90006	PNA 721 040 06	Connector Tool		2	
<input type="checkbox"/> 90013	PNA 721 040 13	Connector Tool		2	
<input type="checkbox"/> 9100	000 721 910 00	Sleeve	924	70	
<input type="checkbox"/> 9101	000 721 910 10	Mandrel	911	23	
<input type="checkbox"/> 9102	000 721 910 20	Alignment Tool	911	70	Yes
<input type="checkbox"/> 9103	000 721 910 30	Boost Gauge	911	43	
<input type="checkbox"/> 9103/1	000 721 910 31	Adapter	911	43	
<input type="checkbox"/> 9103/2	000 721 910 32	Boost/Vacuum Gauge	911	43	Yes
<input type="checkbox"/> 9104	000 721 910 40	Holding Fixture	911	70	Yes
<input type="checkbox"/> 9105	000 721 910 50	Socket, 4Lmm	911	70	Yes
<input type="checkbox"/> 9106	000 721 910 60	Holding Plate	911	71	Yes
<input type="checkbox"/> 9106/2	000 721 910 62	Adapter Sleeve	911	71	Yes
<input type="checkbox"/> 9108	000 721 910 80	Sleeve	911	71	
<input type="checkbox"/> 9109	000 721 910 90	Centering Discs	911	71	Yes
<input type="checkbox"/> 9110	000 721 911 00	Wrench	911	43	
<input type="checkbox"/> 9111	000 721 911 10	Engine Fitting Plate	911	23	Yes
<input type="checkbox"/> 9111/1	000 721 911 11	Adapter	911	23	Yes
<input type="checkbox"/> 9111/2	000 721 911 12	Support Plate	911	23	Yes
<input type="checkbox"/> 9111/3	000 721 911 13	Engine Lifting Plate	911	23	Yes
<input type="checkbox"/> 9113	000 721 911 30	Protection Sleeve	924	71	
<input type="checkbox"/> 9114	000 721 911 40	Connecting Pipes	911	43	
<input type="checkbox"/> 9114/1	000 721 911 41	Connecting Pipes	928	44	
<input type="checkbox"/> 9115	X	Support Plate	944	71	Yes
<input type="checkbox"/> 9116	000 721 911 60	Lock Bolt	944	100	Yes
<input type="checkbox"/> 9117	000 721 911 70	Front Body Jig	924	108	
<input type="checkbox"/> 9118	000 721 911 80	Tensioner	924	100	
<input type="checkbox"/> 9119	000 721 911 90	Mandrel	924	71	
<input type="checkbox"/> 9122	X	Oil Temperature Gauge	All	44	
<input type="checkbox"/> 9122/1	X	Oil Temperature Probe	924/928/944	44	
<input type="checkbox"/> 9122/2	000 721 912 22	Oil Temperature Probe	928/944	44	
<input type="checkbox"/> 9123	000 721 912 30	Seal Installer	924	23	
<input type="checkbox"/> 9124	000 721 912 40	Mandrel	924	24	
<input type="checkbox"/> 9125	000 721 912 50	Seal Installer	928	24	Yes
<input type="checkbox"/> 9126	000 721 912 60	Seal Installer	All	24	Yes
<input type="checkbox"/> 9127	000 721 912 70	Engine Holder	928/944	24	Yes
<input type="checkbox"/> 9128	000 721 912 80	Engine Support	928	24	
<input type="checkbox"/> 9130	000 721 913 00	Holder	928/944	24	
<input type="checkbox"/> 9131	Use 9201	Belt Tension Gauge	928	24	
<input type="checkbox"/> 9132	000 721 913 20	Lock Bolt	928	100	Yes
<input type="checkbox"/> 9133/1	000 721 913 31	Allen Socket, 6mm	928/944	24	
<input type="checkbox"/> 9134	000 721 913 40	Allen Screwdriver	928	44	
<input type="checkbox"/> 9135	PNA 721 029 A	Adjusting Tool	All	117	
<input type="checkbox"/> 9137	000 721 913 70	Holder	928	25	
<input type="checkbox"/> 9138	Use 9138/1	Gauge	928	25	
<input type="checkbox"/> 9138/1	000 721 913 81	Gauge	928/944	25	Yes
<input type="checkbox"/> 9140	000 721 914 00	Extractor	928	71	Yes
<input type="checkbox"/> 9142	000 721 914 20	Holder	911/928	72	Yes
<input type="checkbox"/> 9142/1	000 721 914 21	Half Shells	911	72	Yes

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9143	000 721 914 30	Socket	928	72	Yes
9144	000 721 914 40	Holder	928	72	Yes
9145	000 721 914 50	Sleeve	911/928	72	Yes
9146	000 721 914 60	Pressure Pad	928	72	Yes
9147	000 721 914 70	Seal Installer	928	72	Yes
9148	000 721 914 80	Puller	928	72	Yes
9149	000 721 914 90	Holder	928	73	Yes
9150	000 721 915 00	Dial Gauge Extension, 20mm	928	73	Yes
9153	000 721 915 30	Mandrel	911	73	Yes
9154	000 721 915 40	Mandrel	All	100	Yes
9155	000 721 915 50	Shift Lever	928/944	73	Yes
9155/1	000 721 915 51	Shift Lever	924	73	Yes
9156	000 721 915 60	Allen Wrench, 3mm	911	44	Yes
9157	Use 9157/1	Holding Device	928	25	
9157/1	000 721 915 71	Holding Device	928	25	Yes
9160	000 721 916 00	Vacuum Pump		4	
9160/1	000 721 916 01	Vacuum & Pressure Pump		5	Yes
9161	000 721 916 10	Toothed Element	928	25	
9161/1	000 721 916 11	Toothed Element	928	25	Yes
9162	000 721 916 20	Transmission Holder	928	73	
9163	X	Transmission Holder	928	73	Yes
9163/1	000 721 916 31	Holder	928	73	Yes
9164	000 721 916 40	Chain	928	74	
9165	000 721 916 50	Puller	911/928	101	
9167	X	Pressure Piece	911	74	
9168	000 721 916 80	Dial Gauge Extension, 25mm		74	Yes
9170	000 721 917 00	Extension Hoses	928	74	
9171	000 721 917 10	Adjusting Eccentric	944	101	Yes
9173	000 721 917 30	Pipe	924	74	
9177	000 721 917 70	Holding Plate	911	74	Yes
9178	000 721 917 80	Sleeve	944	74	Yes
9180	000 721 918 00	Seal Installer	928	74	
9180/1	000 721 918 01	Seal Installer	928	75	
9182	000 721 918 20	Lever	911	25	
9183	000 721 918 30	Wrench	924/928	101	Yes
9184	X	Seal Installer	924	75	
9187	000 721 918 70	Allen Screwdriver	928	44	
9188	000 721 918 80	Spanner Wrench	924	109	
9190	000 721 919 00	Wrench	928/944	44	Yes
9191	000 721 919 10	Wrench	911	26	Yes
9193	000 721 919 30	Press Tool	924	26	
9195	000 721 919 50	Sleeve	928	26	
9196	000 721 919 60	Gauge Plunger	All	75	Yes
9197	000 721 919 70	Engine Stand Adapter	944	26	Yes
9200	000 721 920 00	Wrench	944	26	Yes
9201	000 721 920 10	Belt Tension Gauge	928/944	26	Yes
9201/2	000 721 920 12	Calibration Bar	928/944	26	Yes
9202	000 721 920 20	Pressing Tool	928/944	26	Yes

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<input type="checkbox"/> 9203	000 721 920 30	Sleeve	928/944	27	
<input type="checkbox"/> 9204	000 721 920 40	Oil Filter Wrench	928/944	27	Yes
<input type="checkbox"/> 9205	000 721 920 50	Allen Socket	944	27	
<input type="checkbox"/> 9206	000 721 920 60	Flywheel Lock	944	27	Yes
<input checked="" type="checkbox"/> 9206/1	000 721 920 61	Flywheel Lock	968	27	Yes
<input type="checkbox"/> 9207	000 721 920 70	Gauge	944	27	Yes
<input type="checkbox"/> 9208	000 721 920 80	Gauge	928	101	
<input type="checkbox"/> 9209	000 721 920 90	Wrench	928	109	
<input type="checkbox"/> 9210	000 721 921 00	Mandrel	944	27	Yes
<input type="checkbox"/> 9211	000 721 921 10	Gauge Bridge	928	27	
<input type="checkbox"/> 9215	000 721 921 50	Mandrel	944	28	
<input type="checkbox"/> 9216	000 721 921 60	Holder	928	75	
<input type="checkbox"/> 9218	000 721 921 80	Wrench	928	75	Yes
<input type="checkbox"/> 9219	000 721 921 90	Socket	928	75	Yes
<input type="checkbox"/> 9220	X	Pressing Out Base	928/944	28	
<input type="checkbox"/> 9220/1	000 721 922 01	Spot Facing Cutter	911/928/944	28	
<input type="checkbox"/> 9221	000 721 922 10	Valve Guide Mandrel	928/944	28	
<input type="checkbox"/> 9222/1	000 721 922 21	Socket	911	28	Yes
<input type="checkbox"/> 9223	000 721 922 30	Mandrel	928	75	
<input type="checkbox"/> 9224	000 721 922 40	Mandrel	928/944	28	
<input type="checkbox"/> 9225	Use 9225/1	Seal Installer	928/944	28	
<input type="checkbox"/> 9225/1	000 721 922 51	Seal Installer	928/944	28	Yes
<input type="checkbox"/> 9226	000 721 922 60	Camshaft Bridges	928/944	29	Yes
<input type="checkbox"/> 9228	000 721 922 80	Valve Guide R & R Kit	928/944	29	
<input type="checkbox"/> 9229	000 721 922 90	Hook	All	101	
<input type="checkbox"/> 9230	000 721 923 00	Flex Driver	928	45	
<input type="checkbox"/> 9231	000 721 923 10	Wrench	911	109	
<input type="checkbox"/> 9232	000 721 923 20	Dial Indicator Extension	928/944	29	Yes
<input type="checkbox"/> 9233	000 721 923 30	Sleeve	928/944	29	Yes
<input type="checkbox"/> 9234	000 721 923 40	Seal Installer	928/944	29	Yes
<input type="checkbox"/> 9235	000 721 923 50	Pliers	All	117	Yes
<input type="checkbox"/> 9236	000 721 923 60	Holder	911	29	Yes
<input type="checkbox"/> 9237	000 721 923 70	Puller	All	29	Yes
<input type="checkbox"/> 9237/1	999 721 923 71	Half Shells	All	29	
<input type="checkbox"/> 9238	000 721 923 80	Pipe	928	75	Yes
<input type="checkbox"/> 9240	000 721 924 00	Gauge	928	30	Yes
<input type="checkbox"/> 9240/1	000 721 924 01	Gauge	928	30	Yes
<input type="checkbox"/> 9242	000 721 924 20	Valve Spring Compressor	928/944	30	
<input type="checkbox"/> 9243	000 721 924 30	Balance Beam	911	101	Yes
<input type="checkbox"/> 9244	000 721 924 40	Wrench	944	30	Yes
<input type="checkbox"/> 9245	000 721 924 50	Wrench	911	115	
<input type="checkbox"/> 9246	000 721 924 60	Diagnostic LED	944	45	
<input type="checkbox"/> 9247	000 721 924 70	Driver Set	944	76	
<input type="checkbox"/> 9248	000 721 924 80	Camshaft Bridges	928/944	30	Yes
<input type="checkbox"/> 9249	000 721 924 90	Gauge	928/944	30	
<input type="checkbox"/> 9250	000 721 925 00	Adapter	944	76	
<input type="checkbox"/> 9251	000 721 925 10	Seal Remover	911	76	
<input type="checkbox"/> 9252	000 721 925 20	Seal Installer	911	76	Yes

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
9253	000 721 925 30	Holder	911	76	Yes
9254	000 721 925 40	Mandrel	911	76	Yes
9255	000 721 925 50	Sleeve	911	76	Yes
9256	000 721 925 60	Mandrel	911	76	Yes
9257	000 721 925 70	Switch	All	109	Yes
9257/1	000 721 925 71	Lead	All	109	Yes
9257/2	000 721 925 72	Diagnostic Cable	All	110	Yes
9258	000 721 925 80	Allen Socket	All	110	Yes
9259	000 721 925 90	Ribbed Socket	All	110	Yes
9260	000 721 926 00	Holder	911	77	Yes
9261	000 721 926 10	Clamp	944	110	
9262/1	000 721 926 21	Guide	944	30	Yes
9263	000 721 926 30	Pipe	911	77	Yes
9264	000 721 926 40	Adapter Set	All	45	Yes
9265	000 721 926 50	Eccentric Insert	911	101	Yes
9265/1	000 721 926 51	Socket Head	911	101	Yes
9265/2	000 721 926 52	Adapter Socket	911	102	
9266	000 721 926 60	Puller	All	45, 117	Yes
9268	000 721 926 80	Tester	928/944	5	
9268/1	000 721 926 81	Cables	928/944	5	
9268/2	000 721 926 82	Adapter Cable	928/944	5	
9269	000 721 926 90	Cable	928	113	
9273	000 721 927 30	RDK Socket	928	102	Yes
9274	000 721 927 40	RDK Socket	928	102	Yes
9275	000 721 927 50	Holder	911	77	Yes
9276	000 721 927 60	Holding Ring	911	77	Yes
9277	000 721 927 70	Socket	911	77	Yes
9278	000 721 927 80	Extractor Arms	911	77	Yes
9279	000 721 927 90	Spacer Sleeve	911	77	Yes
9280	000 721 928 00	Socket	911	77	Yes
9281	000 721 928 10	Adjusting Disc	911	78	Yes
9282	000 721 928 20	Wrench	911	78	Yes
9283	000 721 928 30	Assembly Sleeve	911	78	Yes
9284	000 721 928 40	Puller	911	78	Yes
9285	000 721 928 50	Adjusting Knob	911	102	Yes
9285/1	000 721 928 51	Puller	911	30	Yes
9286	000 721 928 60	Holder	911	78	Yes
9286/1	000 721 928 61	Holder	911	78	Yes
9288	000 721 928 80	Bosch KTS 301 Tester	All	5	Yes
9288/1	000 721 928 81	Connecting Cable	All	5	Yes
9288/2	000 721 928 82	Charging Unit	All	5	Yes
9288/3	000 721 928 83	Diagnostic Cable	All	118	Yes
9289	000 721 928 90	Mandrel	911	78	Yes
928GV	000 721 928 GV 008	Module	All	5	Yes
9290	000 721 929 00	Wrench	911	31	Yes
9291	000 721 929 10	Socket	911	31	Yes
9292	X	Reamer	911	78	
9293	000 721 929 30	Test Plug	928	6	Yes



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Check Box

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> 9294	000 721 929 40	Centering Piece	911	79	Yes
<input type="checkbox"/> 9295	000 721 929 50	Allen Socket, 12 Point	911	31	Yes
<input type="checkbox"/> 9296	000 721 929 60	Holding Plate	911	79	Yes
<input type="checkbox"/> 9298	000 721 929 80	Mandrel	911	79	Yes
<input type="checkbox"/> 9299	000 721 929 90	Socket Adapter	911	102	Yes
<input type="checkbox"/> 9299/1	000 721 929 91	Ratchet Adapter	911	102	Yes
<input type="checkbox"/> 9300	000 721 930 00	Connection Lines	928	79	
<input type="checkbox"/> 9300/1	000 721 930 01	Connection Lines	928	79	
<input type="checkbox"/> 90005	PNA 721 040 05	Connector Tool		2	
<input type="checkbox"/> 9301	000 721 930 10	Holder	928	79	
<input type="checkbox"/> 9303	000 721 930 30	Gauge	928	79	
<input type="checkbox"/> 9304	000 721 930 40	Mounting Device	928	79	
<input type="checkbox"/> 9305	000 721 930 50	Assembly Valve	928	80	
<input type="checkbox"/> 9307	Use 9314	Mandrel	928	80	
<input type="checkbox"/> 9308	000 721 930 80	Assembly Sleeve	928	80	
<input type="checkbox"/> 9309	000 721 930 90	Mounting Device	928	80	
<input type="checkbox"/> 9310	000 721 931 00	Rinsing Adapter	928	80	
<input type="checkbox"/> 9312	000 721 931 20	Pipe	928	80	
<input type="checkbox"/> 9313	000 721 931 30	Gauge	928	80	
<input type="checkbox"/> 9314	000 721 931 40	Mandrel	928	80	
<input type="checkbox"/> 9315	000 721 931 50	Mounting Device	928	81	
<input type="checkbox"/> 9316	000 721 931 60	Mounting Device	928	81	
<input type="checkbox"/> 9317	000 721 931 70	Assembly Sleeve	928	81	
<input type="checkbox"/> 9318	000 721 931 80	Assembly Sleeve	928	81	
<input type="checkbox"/> 9319	000 721 931 90	Assembly Sleeve	928	81	
<input type="checkbox"/> 9320	000 721 932 00	Gauge	928	81	
<input type="checkbox"/> 9321	000 721 932 10	Alignment Pins	928	81	Yes
<input type="checkbox"/> 9322	000 721 932 20	Lock Tabs	928	81	
<input type="checkbox"/> 9323	000 721 932 30	Dial Gauge Extension	928	82	Yes
<input type="checkbox"/> 9324	000 721 932 40	Transmission Support	911	82	
<input type="checkbox"/> 9325	000 721 932 50	Holding Device	911	82	Yes
<input type="checkbox"/> 9326	000 721 932 60	Switch Adjustment Gauge	911	82	Yes
<input type="checkbox"/> 9327	X	Removing Handle	911	82	
<input type="checkbox"/> 9328	000 721 932 80	Seal Installer	911	82	Yes
<input type="checkbox"/> 9329	000 721 932 90	Assembly Sleeve	911	82	Yes
<input type="checkbox"/> 9330	000 721 933 00	Torx Socket	911	82	Yes
<input type="checkbox"/> 9337	000 721 933 70	Locking Device	911	83	Yes
<input type="checkbox"/> 9338	000 721 933 80	Measuring Device	911	83	Yes
<input type="checkbox"/> 9339	000 721 933 90	Locking Device	911	83	Yes
<input type="checkbox"/> 9340	000 721 934 00	Retaining Device	911	83	Yes
<input type="checkbox"/> 9341	000 721 934 10	Centering Sleeves	911	83	Yes
<input type="checkbox"/> 9342	000 721 934 20	Adjusting Tool	968	83	Yes
<input type="checkbox"/> 9343	000 721 934 30	Holding Fixture	968	83	
<input type="checkbox"/> 9344	000 721 934 40	Seal Installer	968	83	Yes
<input type="checkbox"/> 9345	000 721 934 50	Seal Installer	968	84	Yes
<input type="checkbox"/> 9346	000 721 934 60	Seal Installer	968	84	Yes
<input type="checkbox"/> 9347	000 721 934 70	Seal Installer	968	84	Yes
<input type="checkbox"/> 9348	000 721 934 80	Seal Installer	968	84	Yes

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
9349	000 721 934 90	Pressure Piece	968	84	Yes
9350	000 721 935 00	Seal Installer	968	84	Yes
9351	000 721 935 10	Removal Tool	968	84	Yes
9352	000 721 935 20	Oil Pump Puller	968	84	Yes
9353	000 721 935 30	Assembly Device	968	85	
9354	000 721 935 40	Assembly Guide	968	85	Yes
9355, 9355/1	000 721 935 50 & 51	Couplers	968	85	Yes
9356	000 721 935 60	Dial Gauge Holder	968	85	
9401	000 721 940 10	Auxiliary Chain Tensioner	911	31	Yes
9500	000 721 950 00	Piston Circlip Installer	911	31	Yes
9500/1	000 721 950 01	Piston Circlip Installer	911	31	Yes
9500/2	000 721 950 02	Piston Circlip Installer	911	31	Yes
9500/3	000 721 950 03	Circlip Remover	911	31	Yes
9500/4	000 721 950 04	Mandrel	911	32	Yes
9501	000 721 950 10	Crowfoot Wrench	911	32	Yes
9502	000 721 950 20	Pressure Piece	911	85	Yes
9503	000 721 950 30	Holding Ring	911	85	Yes
9504	000 721 950 40	Removal Tool	911	85	Yes
9505	000 721 950 50	Socket	911	85	Yes
9506	000 721 950 60	Retaining Plate	911	86	Yes
9507	000 721 950 70	Connecting Hose	911	45	Yes
9508/1	000 721 950 81	Calibrated Weight	911	86	Yes
9509	000 721 950 90	Pressure Gauge	All	86, 102	Yes
9509/1	000 721 950 91	Pressure Hose	911/928	86, 102	Yes
9509/2	000 721 950 92	Pressure Hose	911/928	86, 103	Yes
9509/3	000 721 950 93	Connection Piece	911	86, 103	Yes
9509/4	000 721 950 94	Retaining Blocks	911	86, 103	Yes
9510	000 721 951 00	Torque Adapter	911	86, 103	
9510/1	000 721 951 01	Torque Adapter	911/928	87	Yes
9511	000 721 951 10	Assembly Sleeve	911	32	Yes
9512	000 721 951 20	Puller	911	116	Yes
9513	000 721 951 30	Pliers	911	45	Yes
9514	000 721 951 40	Measuring Gauge	911/928	87, 103	Yes
9514/1	000 721 951 41	Holding Plate	911	87	Yes
9515	000 721 951 50	Mandrel		6	Yes
9516	000 721 951 60	Air Bag Test Unit	All	110	Yes
9516/1	000 721 951 61	Air Bag Test Unit	All	110	Yes
9516/2	000 721 951 62	Air Bag Diagnostic Cable	All	110	Yes
9517	000 721 951 70	Oil Seal Installer	911	32	Yes
9517/1	000 721 951 71	Mounting Plate	911/944/968	32	Yes
9520	000 721 952 00	Centering Pins	911	87	
9521	000 721 952 10	Mandrel	911	87	
9522	000 721 952 20	Pressure Piece	911	87	
9523	000 721 952 30	Torque Adapter	911	6	Yes
9524	000 721 952 40	Socket	911/928	103	Yes
9527	000 721 952 70	Rim Cover	All	103	
9528	000 721 952 80	Mixing Rod	All	110	
9529	000 721 952 90	Flange	968	32	Yes

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Check Box

Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
<input type="checkbox"/> 9530	000 721 953 00	Clamp Pieces	968	32	Yes
<input type="checkbox"/> 9532	000 721 953 20	Mandrel	968	87	Yes
<input type="checkbox"/> 9533	000 721 953 30	Pressure Piece	968	87	Yes
<input type="checkbox"/> 9534	000 721 953 40	Seal Installer	968	88	Yes
<input type="checkbox"/> 9535	000 721 953 50	Pressure Piece	968	88	Yes
<input type="checkbox"/> 9536	000 721 953 60	Pressure Piece	968	88	Yes
<input type="checkbox"/> 9537	000 721 953 70	Seal Installer	911	88	Yes
<input type="checkbox"/> 9538/1	000 721 953 81	Flywheel Lock	968	32	Yes
<input type="checkbox"/> 9539	000 721 953 90	Rim Flange Tool	All	103	Yes
<input type="checkbox"/> 9540	000 721 954 00	Test Adapter	All	118	Yes
<input type="checkbox"/> 9541	000 721 954 10	Test Cable	All	111	Yes
<input type="checkbox"/> 9542	000 721 954 20	Mandrel	911	88	Yes
<input type="checkbox"/> 9543	000 721 954 30	Test Cable	All	6	Yes
<input type="checkbox"/> 9544	000 721 954 40	Wrench Adapter	911	111	Yes
<input type="checkbox"/> 9545	000 721 954 50	Seal Installer	911	88	Yes
<input type="checkbox"/> 9546	000 721 954 60	Holding Device	911	104	Yes
<input type="checkbox"/> 9547	000 721 954 70	Circlip Installer	911	88	Yes
<input type="checkbox"/> 9548	000 721 954 80	Holding Key	911	33	Yes
<input type="checkbox"/> 9551	000 721 955 10	Cam Setting Tool	911	33	Yes
<input type="checkbox"/> 9552	000 721 955 20	Cam Setting Tool	911	33	Yes
<input type="checkbox"/> 9553	000 721 955 30	Position Holder	911	33	Yes
<input type="checkbox"/> 9554	000 721 955 40	Holder Bolts	911	33	Yes
<input type="checkbox"/> 9555	000 721 955 50	Gauge	911	108	Yes
<input type="checkbox"/> 9555/1	000 721 955 51	Gauge	911	108	Yes
<input type="checkbox"/> 9556	000 721 955 60	Gauge	911	108	Yes
<input type="checkbox"/> 9556/1	000 721 955 61	Gauge	911	108	Yes
<input type="checkbox"/> 9557	000 721 955 70	Wrench	911	104	Yes
<input type="checkbox"/> 9558	000 721 955 80	Torque Wrench Adapter	911	104	Yes
<input type="checkbox"/> 9559	000 721 955 90	Fuel Gauge Hose	911	45	Yes
<input type="checkbox"/> 9560	000 721 956 00	Tie Rod Remover	911	104	Yes
<input type="checkbox"/> 9562	000 721 956 20	Holding Tool	911	88	Yes
<input type="checkbox"/> 9565	000 721 956 50	Level Gauges	911	104	Yes
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<input type="checkbox"/> 9567	000 721 956 70	Connector	All	111	Yes
<input type="checkbox"/> 9569	000 721 956 90	Seal Installer	911	33	Yes
<input type="checkbox"/> 9570	Use 9570/1	Release Tool	All	118	
<input type="checkbox"/> 9570/1	000 721 957 01	Release Tool	All	118	Yes
<input type="checkbox"/> 9574	000 721 957 40	Belt Tension Gauge	911	6	Yes
<input type="checkbox"/> 9575	000 721 957 50	Seal Installer	911	89	Yes
<input type="checkbox"/> 9576	000 721 957 60	Adapter	911	33	Yes
<input type="checkbox"/> 9577	000 721 957 70	Holder	911	89	Yes
<input type="checkbox"/> 9578	000 721 957 80	Mirror Holder	911/Boxster	113	Yes
<input type="checkbox"/> 9579	000 721 957 90	Adapter	911	33	Yes
<input type="checkbox"/> 9581	000 721 958 10	Socket Adapter	911	104	Yes
<input type="checkbox"/> 9582	000 721 958 20	Sprocket Holder	911	34	Yes
<input type="checkbox"/> 9586	000 721 958 60	Glue Gun	All	111	Yes
<input type="checkbox"/> 9587	000 721 958 70	Guide	911	111	Yes
<input type="checkbox"/> 9588	000 721 958 80	PST-2 System Tester	911/Boxster	6	Yes

Tool Number

PNA 500 5

Order Number

PNA 500 1

Description

Service S

Repair G

N/A

Model -

All - One

covers.

Tool Nu

PNA 50

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PNA 50

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Front F

Repair

N/A

Model

911 -

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Tool

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Tool Number	Ordering Number	Description	Model	Page	Minimum Requirement
9589	000 721 958 90	Engine Holder	911/Boxster	34	Yes
9590	000 721 959 00	Mounting Bolts	911/Boxster	34	Yes
9591/1	000 721 959 11	Support	Boxster	34	Yes
9592	000 721 959 20	Support Plate	911/Boxster	34	Yes
9592/1	000 721 959 21	Support Plate	911	34	Yes
9593	000 721 959 30	Holding Fixture	911/Boxster	34	Yes
9594	000 721 959 40	Socket	911/Boxster	34	Yes
9595	000 721 959 50	Locating Pin	911/Boxster	89	Yes
9596	000 721 959 60	Holding Fixture	911/Boxster	89	Yes
9597	000 721 959 70	Holding Fixture	911/Boxster	35	Yes
9598	000 721 959 80	Alignment Tool	911/Boxster	35	Yes
9599	000 721 959 90	Chain Tensioners	911/Boxster	35	Yes
9602	000 721 960 20	Installation Tool	Boxster	35	Yes
9603	000 721 960 30	Guide	Boxster	35	Yes
9604	000 721 960 40	Pressure Piece	911/Boxster	35	Yes
9605	000 721 960 50	Pressure Piece	911/Boxster	45	Yes
9605/1	000 721 960 51	Pressure Piece	911	35	Yes
9606	000 721 960 60	Seal Installer	911/Boxster	35	Yes
9607	000 721 960 70	Holding Fixture	911/Boxster	36	Yes
9607/1	000 721 960 71	Centering Mandrels	911/Boxster	36	Yes
9608	000 721 960 80	Drift	Boxster	36	Yes
9609	000 721 960 90	Seal Installer	911/Boxster	36	Yes
9609/1	000 721 960 91	Seal Installer	911/Boxster	36	Yes
9610	000 721 961 00	Seal Installer	911/Boxster	36	Yes
9611	000 721 961 10	Camshaft Supports	911/Boxster	36	Yes
9612	000 721 961 20	Camshaft Lock	911/Boxster	36	Yes
9612/3	000 721 961 23	Alignment Collar	911/Boxster	37	Yes
9612/4	000 721 961 24	Centering Shaft	911/Boxster	37	Yes
9612/6	000 721 961 26	Thumb Wheel Bolt	911/Boxster	37	Yes
9613	000 721 961 30	Spacer	911/Boxster	37	Yes
9614	000 721 961 40	Wrench	911	37	Yes
9615	000 721 961 50	Seal Installer	Boxster	89	Yes
9616	000 721 961 60	Pin-out Box	911/Boxster	6	Yes
9617	000 721 961 70	Adapter Cable	911/Boxster	118	Yes
9619	000 721 961 90	Adjustment Tool	911/Boxster	89	Yes
9622	000 721 962 20	Installation Tool	911/Boxster	89, 104	Yes
9623	000 721 962 30	Assembly Aid/Testing Tool	911/Boxster	89, 104	Yes
9624/1	000 721 962 41	Engine Support	911	90	Yes
9625	000 721 962 50	Wrench	911/Boxster	105	Yes
9626	000 721 962 60	Wrench	911	105	Yes
9627	000 721 962 70	Assembly Aid	911/Boxster	37	Yes
9628	000 721 962 80	Seal Installer	911	90	Yes
9629	000 721 962 90	Seal Remover	911	89	Yes
9630	000 721 963 00	Wrench	911	105	Yes
9631	000 721 963 10	Ignition Switch Tool	911/Boxster	118	Yes
9632	000 721 963 20	Drift	911/Boxster	37	Yes
9633	000 721 963 30	Socket	911/Boxster	37	Yes
9634	000 721 963 40	Hold-Down Device	911/Boxster	37	Yes

**Tool Number**  
PNA 500 521 00

**Order Number**  
PNA 500 521 00

**Description**  
Service Seat Covers

**Repair Group**  
N/A

**Model - Use**  
All - One pair of service seats covers.



**Tool Number**  
PNA 500 986 00

**Order Number**  
PNA 500 986 00

**Description**  
Service Cover Set

**Repair Group**  
N/A

**Model - Use**  
Boxster - Includes 1 pair seat covers, front and rear body covers, and inside cover.



**Tool Number**  
PNA 504 993 00

**Order Number**  
PNA 504 993 00

**Description**  
Front Fender Cover

**Repair Group**  
N/A

**Model - Use**  
911 - 3 piece set protects front body area during service work.



**Tool Number**  
PNA 505 993 00

**Order Number**  
PNA 505 993 00

**Description**  
Rear Body Cover

**Repair Group**  
N/A

**Model - Use**  
911 - Protects rear body around engine compartment during service work.



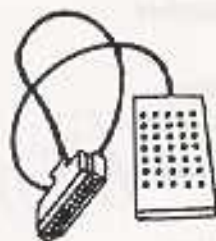
**Tool Number**  
PNA 721 000

**Order Number**  
X

**Description**  
Pinout Box

**Repair Group**  
N/A

**Model - Use**  
All - For testing of various electrical systems.



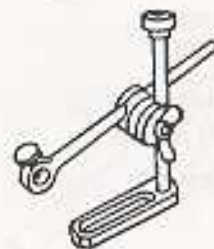
**Tool Number**  
PNA 721 003

**Order Number**  
See VW 387

**Description**  
Dial Indicator Holder

**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
PNA 721 004

**Order Number**  
X

**Description**  
Electrical Test Lead Set

**Repair Group**  
N/A

**Model - Use**  
All - For testing of various electrical systems.



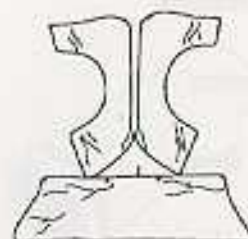
**Tool Number**  
PNA 721 014

**Order Number**  
X

**Description**  
Front Fender Cover

**Repair Group**  
N/A

**Model - Use**  
924 - Protects front body area during service work.



**Tool Number**

PNA 721 015

**Order Number**

X

**Description**

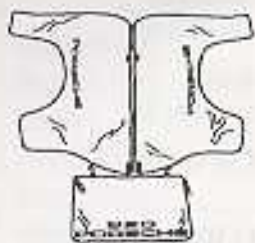
Front Fender Cover

**Repair Group**

N/A

**Model - Use**

928 - Protects front body area during service work.

**Tool Number**

PNA 721 016

**Order Number**

X

**Description**

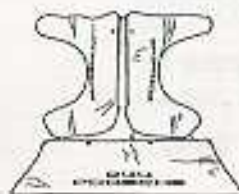
Front Fender Cover

**Repair Group**

N/A

**Model - Use**

944 - Protects front body area during service work.

**Tool Number**

PNA 721 027

**Order Number**

X

**Description**

Torque Wrench

**Repair Group**

N/A

**Model - Use****Tool Number**

PNA 721 040

**Order Number**

PNA 721 040

**Description**

Connector Tool Kit

**Repair Group**

90

**Model - Use**

Used for R &amp; R of Porsche electrical connectors.

**Replacement Tools**

Tool Number	Porsche Part Number
90006	PNA 721 040 06
90113	PNA 721 040 13
93005	PNA 721 040 05
89090	PNA 721 040 90
87035	PNA 721 040 35
88030	PNA 721 040 30
89040	PNA 721 040 40

**Tool Number**

PNA 721 041

**Order Number**

PNA 721 041

**Description**

Connector Tool Kit

**Repair Group**

90

**Model - Use**

Boxster - Used for R &amp; R of Porsche electrical connectors.

**Tool Number**

P 116

**Order Number**

X

**Description**

Holding Wrench

**Repair Group**

N/A

**Model - Use**

356 - Use to hold generator pulley.

**Tool Number**

VW 313

**Order Number**

X

**Description**

Support

**Repair Group**

N/A

**Model - Use**

All - For holding engines and transmissions.

**Tool Number**

VW 387

**Order Number**

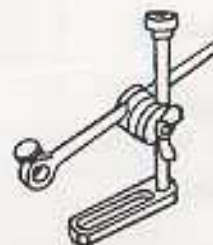
X

**Description**

Dial Indicator Holder

**Repair Group**

N/A

**Model - Use**

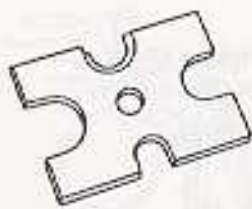
**Tool Number**  
VW 401

**Order Number**  
X

**Description**  
Pressing Plate

**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
VW 402

**Order Number**  
X

**Description**  
Pressing Plate

**Repair Group**  
N/A

**Model - Use**



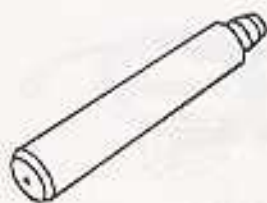
**Tool Number**  
VW 407

**Order Number**  
X

**Description**  
Pressing Drift

**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
VW 408 a

**Order Number**  
X

**Description**  
Pressing Drift

**Repair Group**  
N/A

**Model - Use**



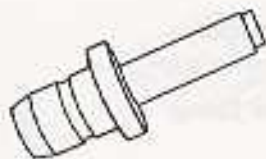
**Tool Number**  
VW 409

**Order Number**  
X

**Description**  
Pressing Drift

**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
VW 411

**Order Number**  
X

**Description**  
Pressing Drift

**Repair Group**  
N/A

**Model - Use**



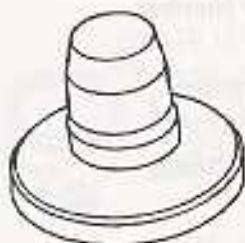
**Tool Number**  
VW 412

**Order Number**  
X

**Description**  
Pressing Pad

**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
VW 415 a

**Order Number**  
X

**Description**  
Pipe Section, 60mm Diameter

**Repair Group**  
N/A

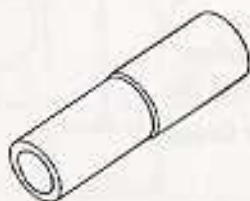
**Model - Use**



**Tool Number**  
VW 421  
**Order Number**  
X

**Description**  
Pipe Section  
**Repair Group**  
N/A

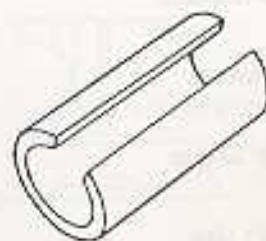
**Model - Use**



**Tool Number**  
VW 422  
**Order Number**  
X

**Description**  
Slotted Pipe Section  
**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
VW 425  
**Order Number**  
X

**Description**  
Pipe Section  
**Repair Group**  
N/A

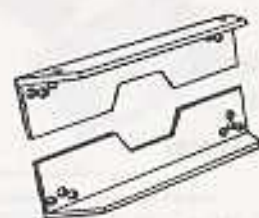
**Model - Use**



**Tool Number**  
VW 457  
**Order Number**  
X

**Description**  
Support Channels  
**Repair Group**  
N/A

**Model - Use**



**Tool Number**  
3054  
**Order Number**  
X

**Description**  
Assembly Stand  
**Repair Group**  
N/A

**Model - Use**  
Use in conjunction with VW 313



**Tool Number**  
730/5  
**Order Number**  
X

**Description**  
Torque Wrench  
**Repair Group**  
N/A

**Model - Use**  
All - 6-50Nm, 5-35 ft.lb. Used with the various special wrenches.



**Tool Number**  
730/12  
**Order Number**  
X

**Description**  
Torque Wrench  
**Repair Group**  
N/A

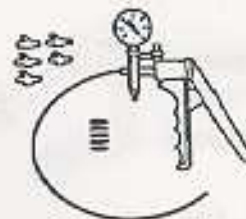
**Model - Use**  
All - 25-130Nm, 20-95 ft.lb. Used with the various special wrenches.



**Tool Number**  
9160  
**Order Number**  
000 721 916 00

**Description**  
Vacuum Pump  
**Repair Group**  
N/A

**Model - Use**  
Used to check operation of vacuum systems.



**Tool Number**  
9160/1  
**Order Number**  
000 721 916 00  
**Description**  
Vacuum 8  
**Repair Group**  
N/A  
**Model - Use**  
Used to check operation of vacuum systems.

**Tool Number**  
9268/1  
**Order Number**  
000 721 926 00  
**Description**  
Cables  
**Repair Group**  
N/A  
**Model - Use**  
Use with...

**Tool Number**  
9288  
**Order Number**  
000 721 928 00  
**Description**  
Bosch  
**Repair Group**  
N/A  
**Model - Use**  
For a... and...

**Tool Number**  
9288  
**Order Number**  
000 721 928 00  
**Description**  
Cha...  
**Repair Group**  
N/A  
**Model - Use**  
For bat...



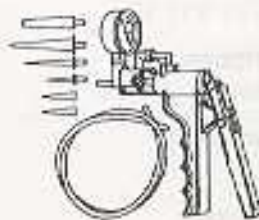
**Tool Number**  
9160/1

**Order Number**  
000 721 916 01

**Description**  
Vacuum & Pressure Pump

**Repair Group**  
N/A

**Model - Use**  
Used to check operation of vacuum and pressure systems.



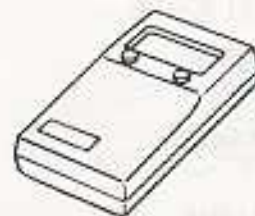
**Tool Number**  
9268

**Order Number**  
000 721 926 80

**Description**  
Tester

**Repair Group**  
N/A

**Model - Use**  
For checking of DME, EZK-LH control systems (includes 9268/1).



425.00

**Tool Number**  
9268/1

**Order Number**  
000 721 926 81

**Description**  
Cables

**Repair Group**  
N/A

**Model - Use**  
Use with 9268



**Tool Number**  
9268/2

**Order Number**  
000 721 926 82

**Description**  
Adapter Cable

**Repair Group**  
N/A

**Model - Use**  
Used in conjunction with 9268 and 9288/1.



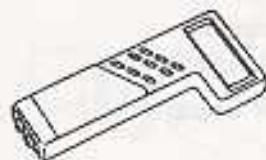
**Tool Number**  
9288

**Order Number**  
000 721 928 80

**Description**  
Bosch KTS 301 Tester

**Repair Group**  
N/A

**Model - Use**  
For analysis of DME, EZK-LH, and other systems.



**Tool Number**  
9288/1

**Order Number**  
000 721 928 81

**Description**  
Connecting Cable

**Repair Group**  
N/A

**Model - Use**  
Used in conjunction with 9288 and 9268



**Tool Number**  
9288/2

**Order Number**  
000 721 928 82

**Description**  
Charging Unit

**Repair Group**  
N/A

**Model - Use**  
For charging of 9288 tester battery.



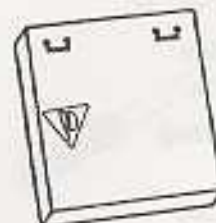
**Tool Number**  
928GV

**Order Number**  
000 721 928 GV 008

**Description**  
Module

**Repair Group**  
N/A

**Model - Use**  
Software module for system tester 9288.



**Tool Number**  
9293  
**Order Number**  
000 721 929 30

**Description**  
Test Plug

**Repair Group**  
03

**Model - Use**  
928 - For activation of dash-board diagnostics.



**Tool Number**  
9515  
**Order Number**  
000 721 951 50

**Description**  
Mandrel

**Repair Group**  
N/A

**Model - Use**  
For R & R of sintered metal bushings.

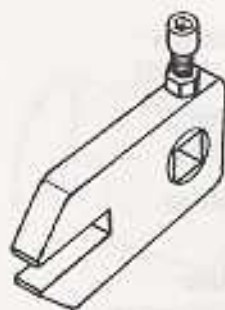


**Tool Number**  
9523  
**Order Number**  
000 721 952 30

**Description**  
Torque Adapter

**Repair Group**  
03

**Model - Use**  
911 - Used to set polyrib belt tension.



**Tool Number**  
9574  
**Order Number**  
000 721 957 40

**Description**  
Belt Tension Gauge

**Repair Group**  
03

**Model - Use**  
911 - For adjusting belt tension on the alternator and cooling fan belts.

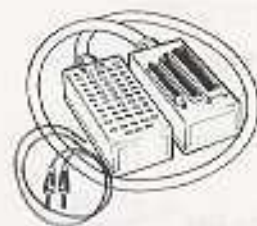


**Tool Number**  
9543  
**Order Number**  
000 721 954 30

**Description**  
Test Cable

**Repair Group**  
N/A

**Model - Use**  
For measuring input signals to the 25, 35, and 55 pin control units.



**Tool Number**  
9588  
**Order Number**  
000 721 958 80

**Description**  
PST-2 System Tester

**Repair Group**  
N/A

**Model - Use**  
911/Boxster - Porsche system tester.



8415.59

**Tool Number**  
9616  
**Order Number**  
000 721 961 60

**Description**  
Pin-out Box

**Repair Group**  
N/A

**Model - Use**  
911/Boxster - For diagnosis and troubleshooting of DME/EGS inputs.



**Tool Number**  
**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**  
PNA 721 001

**Order Number**  
PNA 721 001

**Description**  
205 mm Dial Indicator Ext.

**Repair Group**  
15

**Model - Use**  
944 - For adjusting of valve timing.



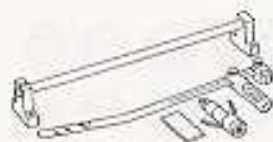
**Tool Number**  
PNA 721 022

**Order Number**  
PNA 721 022

**Description**  
Valve Spring Compressor

**Repair Group**  
15

**Model - Use**  
944/928 - For R & R of valve retainers and keepers.



1

**Tool Number**  
PNA 721 023

**Order Number**  
X

**Description**  
Torque Angle Meter

**Repair Group**  
13 15

**Model - Use**  
For measurement of tightening torque and turning angle.



**Tool Number**  
PNA 721 026

**Order Number**  
X

**Description**  
Carbon Blaster Adapter

**Repair Group**  
15

**Model - Use**  
911/928/944 - For removing carbon buildup on the valves.



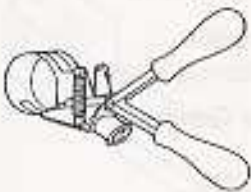
**Tool Number**  
P 1 a

**Order Number**  
X

**Description**  
Electric Piston Heater

**Repair Group**  
13

**Model - Use**  
356/911/912 - For heating of piston during R & R of wrist pin.



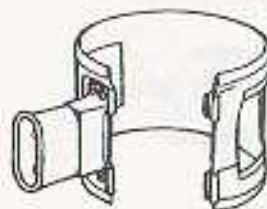
**Tool Number**  
P 1 b

**Order Number**  
X

**Description**  
Electric Piston Heater

**Repair Group**  
13

**Model - Use**  
356 - For heating of piston during R & R of wrist pin.



**Tool Number**  
P 2

**Order Number**  
X

**Description**  
Piston Pin Mandrel

**Repair Group**  
13

**Model - Use**  
356 - For removing wrist pin.



**Tool Number**  
P 2 a

**Order Number**  
X

**Description**  
Piston Pin Mandrel

**Repair Group**  
13

**Model - Use**  
356/911/924/914 - For removing wrist pin.

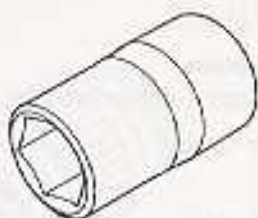


**Tool Number**  
P 5  
**Order Number**  
X

**Description**  
Socket

**Repair Group**  
10

**Model - Use**  
356 - For R & R of 15mm  
crankcase nuts.

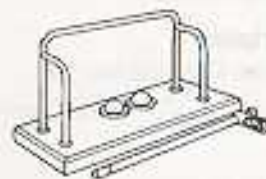


**Tool Number**  
P 7  
**Order Number**  
X

**Description**  
Valve Spring Compressor

**Repair Group**  
15

**Model - Use**  
356 - For R & R valve retain-  
ers and keepers.



**Tool Number**  
P 8 a  
**Order Number**  
X

**Description**  
Piston Ring Compressor

**Repair Group**  
13

**Model - Use**  
356



**Tool Number**  
P 10 a  
**Order Number**  
X

**Description**  
Valve Spring Gauge

**Repair Group**  
15

**Model - Use**  
356



**Tool Number**  
P 10 b  
**Order Number**  
000 721 010 20

**Description**  
Valve Spring Gauge

**Repair Group**  
15

**Model - Use**  
356/911/912/914

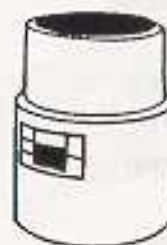


**Tool Number**  
P 10 c  
**Order Number**  
000 721 010 30

**Description**  
Valve Spring Gauge

**Repair Group**  
15

**Model - Use**  
911

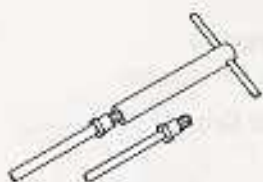


**Tool Number**  
P 11  
**Order Number**  
X

**Description**  
Valve Seat Cutter Handle

**Repair Group**  
15

**Model - Use**  
356 - Use with P 12 to cut  
valve seats.

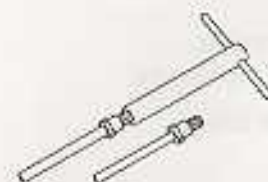


**Tool Number**  
P 11 a  
**Order Number**  
X

**Description**  
Valve Seat Cutter Handle

**Repair Group**  
15

**Model - Use**  
356/911/912 used in  
conjunction P 12 a.



**Tool Number**

P 12

**Order Number**

X

**Description**

Valve Seat Cutters

**Repair Group**

15

**Model - Use**

356 - Used with P 11.

**Tool Number**

P 12 a

**Order Number**

X

**Description**

Valve Seat Cutters

**Repair Group**

15

**Model - Use**

356/911/912 - Used with P 11 a.



1

**Tool Number**

P 13 c

**Order Number**

X

**Description**

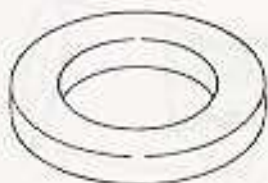
Setting Ring

**Repair Group**

13

**Model - Use**

356 - For calibration of bore gauge during cylinder measurement.

**Tool Number**

P 15

**Order Number**

X

**Description**

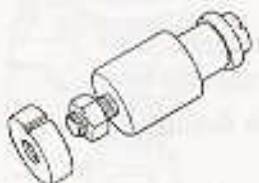
Piston Pin Press

**Repair Group**

13

**Model - Use**

356 - For R &amp; R of piston pin bushing.

**Tool Number**

P 16

**Order Number**

X

**Description**

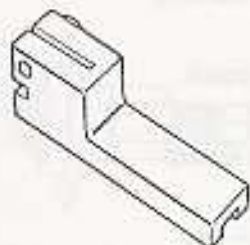
Dial Gauge Holder

**Repair Group**

13

**Model - Use**

356 - For determining crankshaft end play.

**Tool Number**

P 17

**Order Number**

X

**Description**

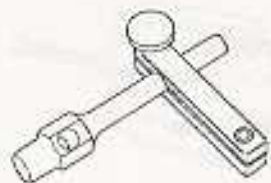
Dial Gauge Holder

**Repair Group**

13

**Model - Use**

356 - For determining crankshaft end play with flywheel installed.

**Tool Number**

P 18

**Order Number**

X

**Description**

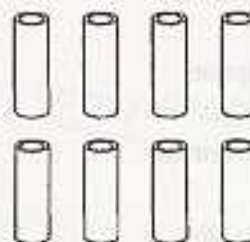
Spacer Tubes

**Repair Group**

13

**Model - Use**

356 - For retaining cylinders during engine assembly.

**Tool Number**

P 19 a

**Order Number**

X

**Description**

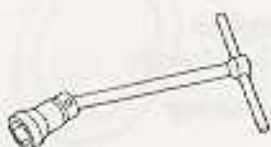
T Handle Wrench

**Repair Group**

17

**Model - Use**

356 - For R &amp; R of 24mm oil pressure switch.



**Tool Number**

P 20

**Order Number**

X

**Description**

Piston Ring Gap Grinder

**Repair Group**

13

**Model - Use**

All

**Tool Number**

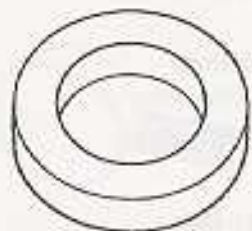
P 22

**Order Number**

X

**Description**

Gauge Setting Ring

**Repair Group**

13

**Model - Use**

356 - For calibration of bore gauge, while measuring rods.

**Tool Number**

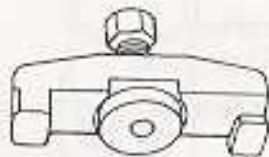
P 43

**Order Number**

X

**Description**

Puller

**Repair Group**

13

**Model - Use**

356 - For removal of V-belt pulley from crankshaft.

**Tool Number**

P 49

**Order Number**

X

**Description**

Retaining Spring

**Repair Group**

15

**Model - Use**

356 - For holding lifters in place during assembly.

**Tool Number**

P 21 b

**Order Number**

X

**Description**

Gauge

**Repair Group**

15

**Model - Use**

356 - For measuring valve guide bores.

**Tool Number**

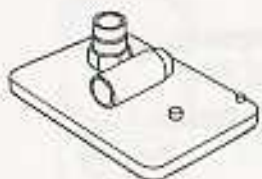
P 27 a

**Order Number**

X

**Description**

Assembly Plate

**Repair Group**

13

**Model - Use**

356 - For R &amp; R of no. 4 main bearing and seal.

**Tool Number**

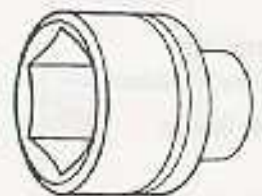
P 44

**Order Number**

X

**Description**

Socket

**Repair Group**

13

**Model - Use**

356 - For R &amp; R of 36mm fly-wheel gland nut.

**Tool Number**

P 50

**Order Number**

X

**Description**

Ball End Punch

**Repair Group**

15

**Model - Use**

356 - For securing oil suction pipe in crankcase.

**Tool Number**

P 51

**Order Number**

X

**Description**

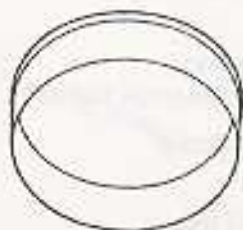
Sleeve

**Repair Group**

13

**Model - Use**

356 - For protection of cylinder bores during assembly.

**Tool Number**

P 73

**Order Number**

X

**Description**

Press

**Repair Group**

13

**Model - Use**

356 - For installation of crankshaft oil seal.

**Tool Number**

P 74

**Order Number**

000 721 074 00

**Description**

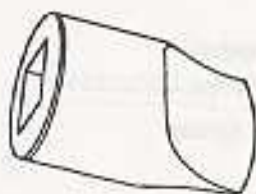
Screwdriver Socket

**Repair Group**

13

**Model - Use**

356/911/912/914/6 - For R &amp; R of oil pressure safety valve.

**Tool Number**

P 102

**Order Number**

X

**Description**

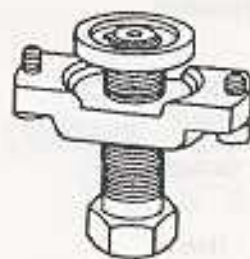
Puller

**Repair Group**

13

**Model - Use**

356 - For removal of V-belt pulley from crankshaft

**Tool Number**

P 103

**Order Number**

X

**Description**

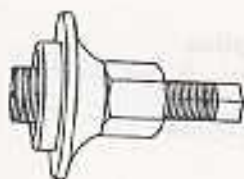
Seal Installer

**Repair Group**

13

**Model - Use**

356 - For installation of crankshaft oil seal.

**Tool Number**

P 104

**Order Number**

X

**Description**

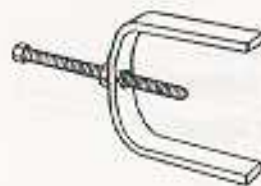
Puller

**Repair Group**

17

**Model - Use**

356 - For extracting oil pump from crankcase.

**Tool Number**

P 105

**Order Number**

X

**Description**

Piston Pin Mandrel

**Repair Group**

13

**Model - Use**

356 - For R &amp; R piston pins.

**Tool Number**

P 107

**Order Number**

X

**Description**

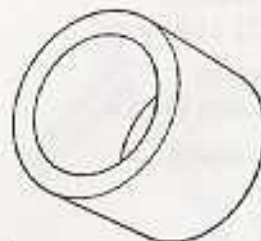
Cam Lobe Assembly Arbor

**Repair Group**

15

**Model - Use**

356 - For pressing cam lobes onto camshaft.



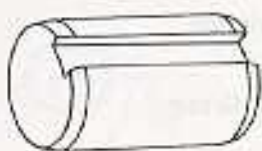
**Tool Number**  
P 108

**Order Number**  
X

**Description**  
Cam Lobe Disassembly Arbor

**Repair Group**  
15

**Model - Use**  
356 - For removal of cam lobes from camshaft in conjunction with P 109.



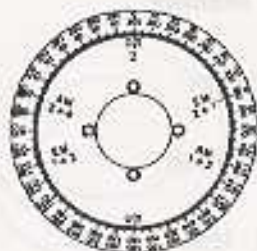
**Tool Number**  
P 113

**Order Number**  
X

**Description**  
Degree Wheel

**Repair Group**  
15

**Model - Use**  
356 - For checking of cam timing, in conjunction with P 132.



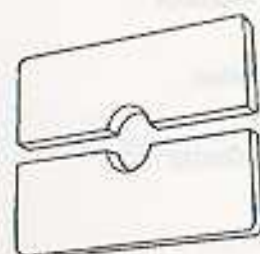
**Tool Number**  
P 109

**Order Number**  
X

**Description**  
Cam Disassembly Fixture

**Repair Group**  
15

**Model - Use**  
356 - For removal of cam lobes from camshaft, in conjunction with P 108.



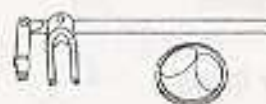
**Tool Number**  
P 114

**Order Number**  
X

**Description**  
Valve Spring Compressor

**Repair Group**  
15

**Model - Use**  
356 - For R & R of valve springs.



**Tool Number**  
P 118

**Order Number**  
X

**Description**  
Allen Wrench

**Repair Group**  
15

**Model - Use**  
356 - For setting valve clearances.



**Tool Number**  
P 121

**Order Number**  
X

**Description**  
Arbor for Camshaft Drive

**Repair Group**  
15

**Model - Use**  
356 - For R & R of bevel gear on vertical drive shaft.



**Tool Number**  
P 115

**Order Number**  
X

**Description**  
Feeler Gauge

**Repair Group**  
15

**Model - Use**  
356 - For setting valve clearances.



**Tool Number**  
P 119

**Order Number**  
000 721 119 00

**Description**  
10mm Allen Wrench

**Repair Group**  
15

**Model - Use**  
For R & R of cylinder head nuts.





**Tool Number**

P 122

**Order Number**

X

**Description**

Reamer

**Repair Group**

15

**Model - Use**

356 - For reaming camshaft bearings, in conjunction with P 123.



**Tool Number**

P 123

**Order Number**

X

**Description**

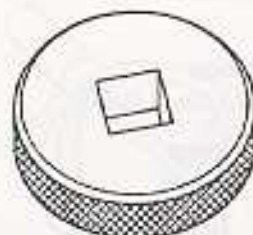
Handwheel

**Repair Group**

15

**Model - Use**

356 - For reaming camshaft bearings, in conjunction with P 122.



**Tool Number**

P 124

**Order Number**

X

**Description**

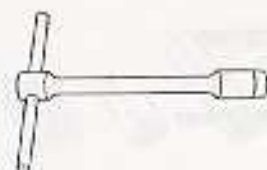
T-wrench

**Repair Group**

15

**Model - Use**

356 - For R & R of camshaft bearing nuts.



**Tool Number**

P 125

**Order Number**

X

**Description**

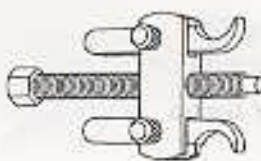
Puller

**Repair Group**

13

**Model - Use**

356 - For removal of crankshaft seal.



**Tool Number**

P 128 a

**Order Number**

X

**Description**

Gauge

**Repair Group**

15

**Model - Use**

356 - For 9mm valve guide measurement.



**Tool Number**

P 128 b

**Order Number**

X

**Description**

Gauge

**Repair Group**

15

**Model - Use**

356 - For 11mm valve guide measurement.



**Tool Number**

P 130

**Order Number**

X

**Description**

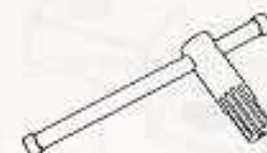
Allen Wrench

**Repair Group**

13

**Model - Use**

356 - For R & R of V-belt pulley bolt.



**Tool Number**

P 132

**Order Number**

X

**Description**

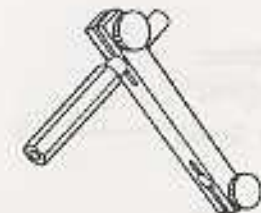
Holder for Dial Gauge

**Repair Group**

15

**Model - Use**

356 - For checking and adjusting camshaft timing.



**Tool Number**

P 133

**Order Number**

X

**Description**

Threaded Gland Nut

**Repair Group**

13

**Model - Use**

356 - For holding crankshaft in conjunction with VW fixture.

**Tool Number**

P 134

**Order Number**

X

**Description**

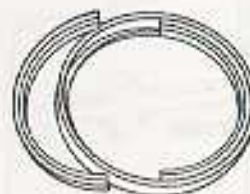
Puller

**Repair Group**

13

**Model - Use**

356 - For removing gear from crankshaft.

**Tool Number**

P 138

**Order Number**

X

**Description**

Box Spanner

**Repair Group**

15

**Model - Use**

356 - For R &amp; R of cylinder head nuts.

**Tool Number**

P 139

**Order Number**

X

**Description**

Wrench

**Repair Group**

15

**Model - Use**

356 - For R &amp; R of camshaft nuts.

**Tool Number**

P 140

**Order Number**

000 721 140 00

**Description**

Securing Nut

**Repair Group**

13

**Model - Use**

911 - For retaining piston and cylinder assembly. Note: part number = qty. 1, 6 required.

**Tool Number**

P 141

**Order Number**

X

**Description**

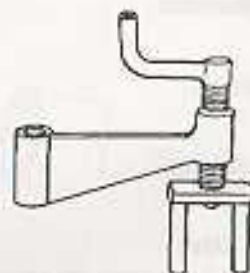
Valve Spring Compressor

**Repair Group**

15

**Model - Use**

356 - For R &amp; R of valve springs.

**Tool Number**

P 142

**Order Number**

X

**Description**

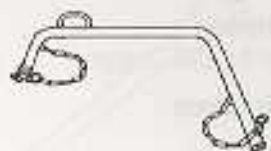
Fitting Hoop

**Repair Group**

10

**Model - Use**

356 - For R &amp; R of engine.

**Tool Number**

P 200

**Order Number**

Use P 200 a

**Description**

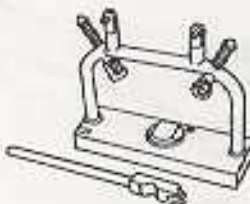
Valve Spring Compressor

**Repair Group**

15

**Model - Use**

911/914 - For R &amp; R of valve springs.



**Tool Number**

P 200 a

**Order Number**

000 721 200 10

**Description**

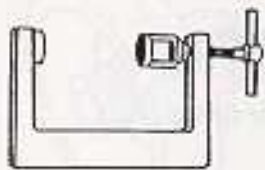
Valve Spring Compressor

**Repair Group**

15

**Model - Use**

All - For R &amp; R of valve springs.

**Tool Number**

P 201 b

**Order Number**

000 721 201 20

**Description**

Mounting Parts

**Repair Group**

13

**Model - Use**

911 - For mounting and locking engine on repair stand.

**Tool Number**

P 203

**Order Number**

000 721 203 00

**Description**

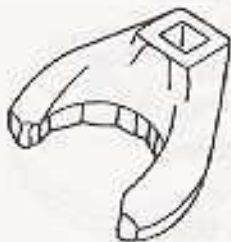
Wrench

**Repair Group**

15

**Model - Use**

911/914 - For R &amp; R of camshaft nut.

**Tool Number**

P 207

**Order Number**

000 721 207 00

**Description**

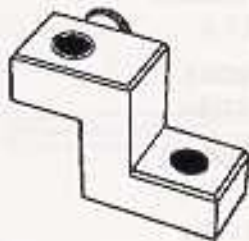
Dial Gauge Holder

**Repair Group**

15

**Model - Use**

911 - For adjustment of cam timing.

**Tool Number**

P 201

**Order Number**

000 721 201 00

**Description**

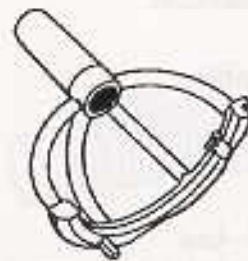
Engine Stand Adapter

**Repair Group**

10

**Model - Use**

All - For securing engine or transmission to the repair stand.

**Tool Number**

P 202

**Order Number**

000 721 202 00

**Description**

Wrench

**Repair Group**

15

**Model - Use**

911/914 - For turning and holding camshaft.

**Tool Number**

P 206

**Order Number**

000 721 206 00

**Description**

Gauge

**Repair Group**

15

**Model - Use**

All - For measuring valve guides.

**Tool Number**

P 208 b

**Order Number**

999 571 047 02

**Description**

Spanner Wrench

**Repair Group**

19

**Model - Use**

911 - For holding fan pulley.



**Tool Number**

P 209

**Order Number**

X

**Description**

Holder

**Repair Group**

13

**Model - Use**

911/914 - For holding crankshaft while installing connecting rods.



**Tool Number**

P 212

**Order Number**

000 721 212 00

**Description**

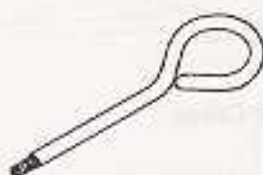
Camshaft Pin Extractor

**Repair Group**

15

**Model - Use**

911 - For R & R of camshaft pin.



**Tool Number**

P 214

**Order Number**

000 721 214 00

**Description**

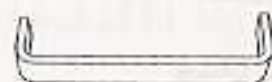
Clamp

**Repair Group**

15

**Model - Use**

911/914 - For holding chain tensioner collapsed while installing.



**Tool Number**

P 215

**Order Number**

000 721 215 00

**Description**

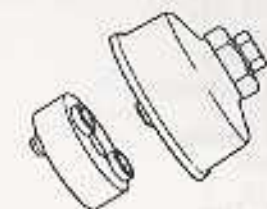
Seal Installer

**Repair Group**

13

**Model - Use**

911/914 - For installing crankshaft seal at flywheel.



**Tool Number**

P 209 a

**Order Number**

000 721 209 10

**Description**

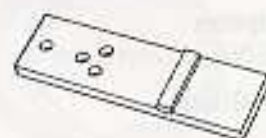
Mounting Plate

**Repair Group**

13

**Model - Use**

911 - For mounting of crankshaft.



**Tool Number**

P 213 b

**Order Number**

000 721 213 20

**Description**

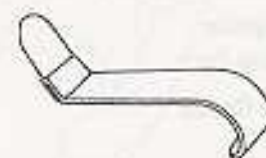
Valve Adjustment Gauge

**Repair Group**

15

**Model - Use**

911 - For adjusting valves.  
**Note: Replacement Blades**  
000 721 213 30.



**Tool Number**

P 214 c

**Order Number**

000 721 214 30

**Description**

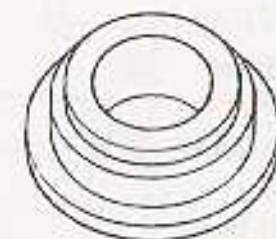
Gauge Ring

**Repair Group**

15

**Model - Use**

911/914 - For adjusting chain tensioner oil level.



**Tool Number**

P 216

**Order Number**

Use 216 a

**Description**

Seal Installer

**Repair Group**

13

**Model - Use**

911 - For installing crankshaft seal at pulley end.



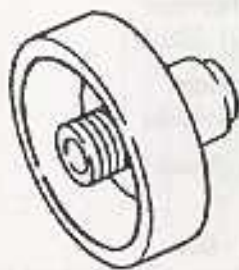
**Tool Number**  
P 216 a

**Order Number**  
000 721 216 10

**Description**  
Seal Installer

**Repair Group**  
10

**Model - Use**  
911 - For installing crankshaft seal.



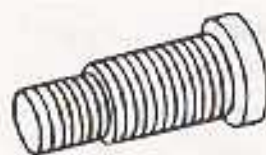
**Tool Number**  
P 216 b

**Order Number**  
000 721 216 20

**Description**  
Center Bolt

**Repair Group**  
10

**Model - Use**  
911 - Used in conjunction with P 216 a.



1

**Tool Number**  
P 216 d

**Order Number**  
000 721 216 40

**Description**  
Seal Installer

**Repair Group**  
10

**Model - Use**  
911 - Used to install flywheel seal.



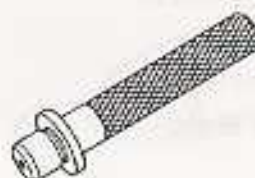
**Tool Number**  
P 218

**Order Number**  
000 721 218 00

**Description**  
Mandrel

**Repair Group**  
13

**Model - Use**  
911/914 - For R & R of flywheel bushings.



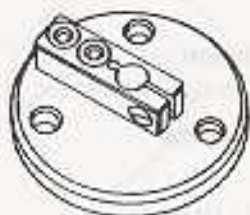
**Tool Number**  
P 220

**Order Number**  
X

**Description**  
Dial Gauge Holder

**Repair Group**  
13

**Model - Use**  
911 - For measurement of intermediate shaft end play.



**Tool Number**  
P 221

**Order Number**  
000 721 221 00

**Description**  
Straps

**Repair Group**  
13

**Model - Use**  
911 - For support of connecting rods during engine assembly.



**Tool Number**  
P 222

**Order Number**  
000 721 222 00

**Description**  
Straps

**Repair Group**  
13

**Model - Use**  
911 - For support of timing chain during engine assembly.



**Tool Number**  
P 224

**Order Number**  
X

**Description**  
Adapter

**Repair Group**  
13, 15

**Model - Use**  
911/914 - Used in conjunction with compression tester.



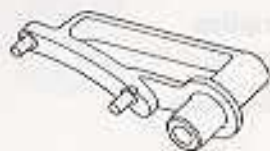
**Tool Number**  
P 238

**Order Number**  
Use P 238 a

**Description**  
Flywheel Holder

**Repair Group**  
13

**Model - Use**  
911 - For holding flywheel on  
a removed engine.



**Tool Number**  
P 238 a

**Order Number**  
000 721 238 10

**Description**  
Flywheel Holder

**Repair Group**  
13

**Model - Use**  
911 - For holding flywheel on  
a removed engine.



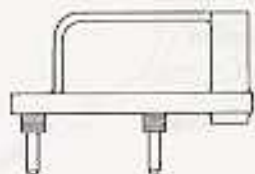
**Tool Number**  
P 238 b

**Order Number**  
000 721 238 20

**Description**  
Flywheel Holder

**Repair Group**  
13

**Model - Use**  
911 - For holding flywheel on  
a removed engine.



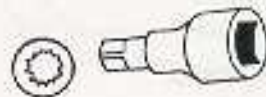
**Tool Number**  
US 1006

**Order Number**  
X

**Description**  
Allen Socket, 12mm

**Repair Group**  
13

**Model - Use**  
All - For R & R of flywheel  
bolts.



**Tool Number**  
US 1008 a

**Order Number**  
X

**Description**  
Piston Ring Compressor

**Repair Group**  
13

**Model - Use**  
911 - For installation of  
pistons into cylinders.



**Tool Number**  
US 1020

**Order Number**  
X

**Description**  
Valve Spring Compressor

**Repair Group**  
15

**Model - Use**  
All - For R & R of valve  
springs.



**Tool Number**  
US 1020/1

**Order Number**  
X

**Description**  
Adapter

**Repair Group**  
15

**Model - Use**  
All - Used in conjunction with  
US 1020.



**Tool Number**  
US 1105

**Order Number**  
X

**Description**  
Chain Sling

**Repair Group**  
10

**Model - Use**  
924 - For R & R of engine.



**Tool Number**

US 4404 a

**Order Number**

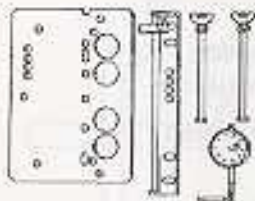
X

**Description**

Clamping Plate

**Repair Group**

15

**Model - Use**914 - For measurement of  
valve guide wear.**Tool Number**

VW 121 b

**Order Number**

X

**Description**

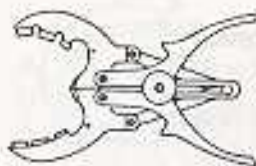
Piston Ring Pliers

**Repair Group**

13

**Model - Use**

All - For R &amp; R of piston rings.

**Tool Number**

VW 124 a

**Order Number**

X

**Description**

Drift

**Repair Group**

13

**Model - Use**914 - For locking of connect-  
ing rod nuts.**Tool Number**

VW 161 a

**Order Number**

X

**Description**

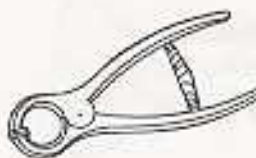
Snap Ring Pliers

**Repair Group**

13, 35, 42

**Model - Use**

All - For R &amp; R snap rings

**Tool Number**

VW 185

**Order Number**

X

**Description**

Press Plate

**Repair Group**

19

**Model - Use**

914 - For removal of blower.

**Tool Number**

VW 190

**Order Number**

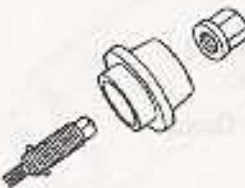
X

**Description**

Seal Installer

**Repair Group**

10

**Model - Use**914 - For installation of front  
crankshaft seal.**Tool Number**

VW 191

**Order Number**

X

**Description**

Seal Installer

**Repair Group**

13

**Model - Use**356/911/914 - For  
installation of rear crankshaft  
seal.**Tool Number**

VW 202

**Order Number**

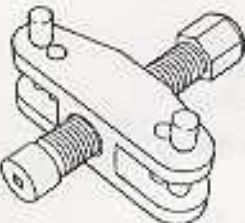
X

**Description**

Puller

**Repair Group**

13

**Model - Use**356/911/914 - For removal  
of crankshaft gear.

**Tool Number**

VW 202 a

**Order Number**

X

**Description**

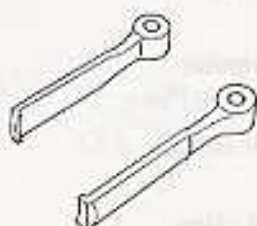
Extractor Hooks

**Repair Group**

13

**Model - Use**

356/911/914 - Used in conjunction with VW 202.

**Tool Number**

VW 204 b

**Order Number**

X

**Description**

Seal Installer

**Repair Group**

10

**Model - Use**

912 - For installation of crankshaft seal.

**Tool Number**

VW 207 c

**Order Number**

X

**Description**

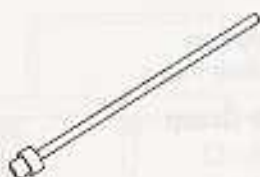
Mandrel

**Repair Group**

13

**Model - Use**

912/914 - For R &amp; R of piston pin.

**Tool Number**

VW 214 f

**Order Number**

X

**Description**

Test Gauge

**Repair Group**

13

**Model - Use**

914 - For reaming and testing of connecting rods.

**Tool Number**

VW 228 b

**Order Number**

X

**Description**

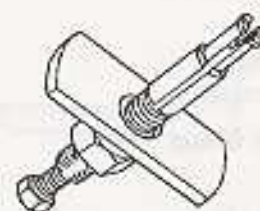
Extractor

**Repair Group**

13, 27

**Model - Use**

911/914 - For removing starter bushing, distributor drive, and pilot bearing.

**Tool Number**

VW 311 s

**Order Number**

X

**Description**

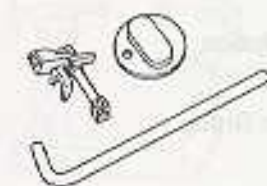
Valve Spring Compressor

**Repair Group**

15

**Model - Use**

914 - For R &amp; R of valve springs.

**Tool Number**

VW 428 a

**Order Number**

X

**Description**

Guide Sleeve

**Repair Group**

13

**Model - Use**

356/914 - For guiding the lock ring onto the crankshaft.

**Tool Number**

VW 541/1

**Order Number**

X

**Description**

Lever

**Repair Group**

15

**Model - Use**

944 - For R &amp; R of valve springs, in conjunction with 2036.





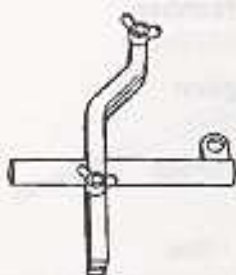
**Tool Number**  
WV 659/2

**Order Number**  
X

**Description**  
Dia. Gauge Holder

**Repair Group**  
13

**Model - Use**  
356/914 - For measurement  
of crankshaft end play.



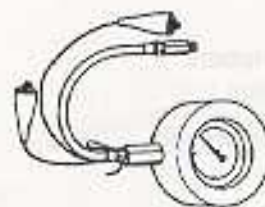
**Tool Number**  
VW 1342

**Order Number**  
X

**Description**  
Oil Pressure Gauge

**Repair Group**  
17

**Model - Use**  
928/944 - For measurement  
of engine oil pressure.



**Tool Number**  
10-9

**Order Number**  
X

**Description**  
Driver

**Repair Group**  
10

**Model - Use**  
924 - For installing flywheel  
seal.



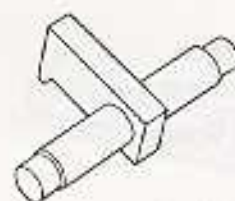
**Tool Number**  
10-201

**Order Number**  
X

**Description**  
Flywheel Retainer

**Repair Group**  
13

**Model - Use**  
924 - For holding of flywheel  
on removed engine.



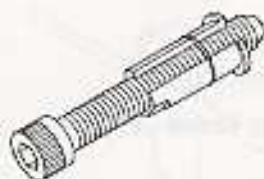
**Tool Number**  
10-202

**Order Number**  
X

**Description**  
Pulver

**Repair Group**  
13

**Model - Use**  
924 - For removal of pilot  
bearing.



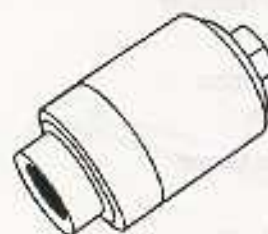
**Tool Number**  
10-203

**Order Number**  
X

**Description**  
Pressing Tool

**Repair Group**  
17

**Model - Use**  
944 - For installation of oil  
pump seal.



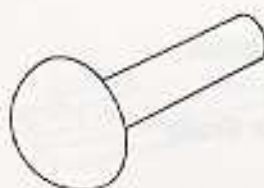
**Tool Number**  
10-204

**Order Number**  
X

**Description**  
Pressing Tool

**Repair Group**  
15

**Model - Use**  
All - For installation of valve  
stem seals.



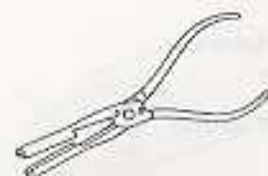
**Tool Number**  
10-218

**Order Number**  
X

**Description**  
Pliers

**Repair Group**  
15

**Model - Use**  
All - For removal of valve stem  
seals.



**Tool Number**  
10-221

**Order Number**  
X

**Description**  
Extractor

**Repair Group**  
13

**Model - Use**  
924 - For removal of  
crankshaft seal.



**Tool Number**  
10-222

**Order Number**  
Use 10-222a1

**Description**  
Support

**Repair Group**  
10

**Model - Use**  
924 - For support of engine  
while removing lower member



**Tool Number**  
10-222a1

**Order Number**  
X

**Description**  
Support Device

**Repair Group**  
10

**Model - Use**  
944/968/Boxster - For sup-  
port of engine while removing  
lower Member.



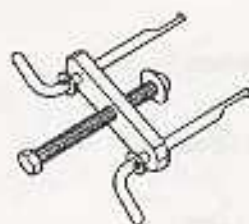
**Tool Number**  
2002

**Order Number**  
X

**Description**  
Extractor

**Repair Group**  
15

**Model - Use**  
924 - For removal of  
camshaft seal.



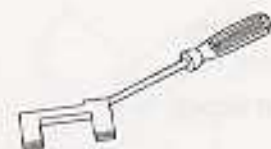
**Tool Number**  
2012

**Order Number**  
X

**Description**  
Spanner

**Repair Group**  
15

**Model - Use**  
924/928 - For R & R of fuel  
gauge transmitter.



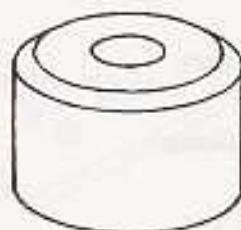
**Tool Number**  
2033

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
924 - For installation of front  
crankshaft seal.



**Tool Number**  
2036

**Order Number**  
X

**Description**  
Fixture

**Repair Group**  
15

**Model - Use**  
944 - For R & R of valve  
springs, in conjunction with  
VW 541/1.



**Tool Number**  
2085

**Order Number**  
X

**Description**  
Extractor

**Repair Group**  
15

**Model - Use**  
924 - For removal of 924  
camshaft seals.



**Tool Number**  
3015

**Order Number**  
X

**Description**  
Reamer, 9mm

**Repair Group**  
15

**Model - Use**  
924/928/944 - For reaming  
valve guides.



**Tool Number**  
3120

**Order Number**  
X

**Description**  
Reamer, 7mm

**Repair Group**  
15

**Model - Use**  
928/944 - For reaming valve  
guides.



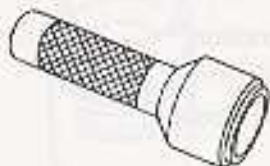
**Tool Number**  
9101

**Order Number**  
000 721 910 10

**Description**  
Mandrel

**Repair Group**  
15

**Model - Use**  
911 - For installation of  
camshaft seal at mechanical  
injection drive.



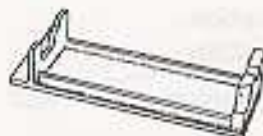
**Tool Number**  
9111

**Order Number**  
000 721 911 10

**Description**  
Engine Fitting Plate

**Repair Group**  
10

**Model - Use**  
911 - For R & R of engine.



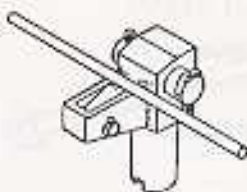
**Tool Number**  
9111/1

**Order Number**  
000 721 911 11

**Description**  
Adapter

**Repair Group**  
10

**Model - Use**  
911 - Used in conjunction with  
9111.



**Tool Number**  
9111/2

**Order Number**  
000 721 911 12

**Description**  
Support Plate

**Repair Group**  
10

**Model - Use**  
911 - Used in conjunction with  
9111.



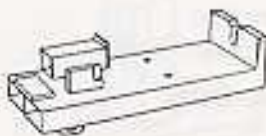
**Tool Number**  
9111/3

**Order Number**  
000 721 911 13

**Description**  
Engine Lifting Plate

**Repair Group**  
10

**Model - Use**  
911 - For R & R of engine.



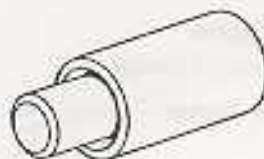
**Tool Number**  
9123

**Order Number**  
000 721 912 30

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
924 - For installing pilot bear-  
ing seal.



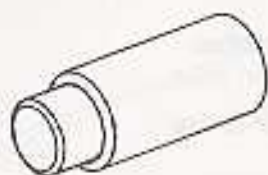
**Tool Number**  
9124

**Order Number**  
000 721 912 40

**Description**  
Mandrel

**Repair Group**  
13

**Model - Use**  
924 - Used to install pilot bearing.



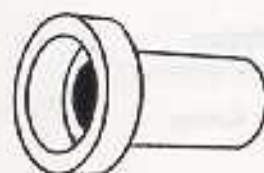
**Tool Number**  
9125

**Order Number**  
000 721 912 50

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
928 - For installing front crankshaft seal.



**Tool Number**  
9126

**Order Number**  
000 721 912 60

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
All - For installing rear crankshaft seal.



**Tool Number**  
9127

**Order Number**  
000 721 912 70

**Description**  
Engine Holder

**Repair Group**  
10

**Model - Use**  
928/944 - For holding engine on assembly stand.



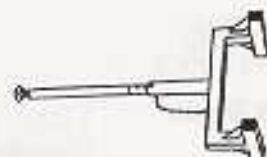
**Tool Number**  
9128

**Order Number**  
000 721 912 80

**Description**  
Engine Support

**Repair Group**  
10

**Model - Use**  
928 - For holding engine on engine stand.



**Tool Number**  
9130

**Order Number**  
000 721 913 00

**Description**  
Holder

**Repair Group**  
13

**Model - Use**  
928/944 - For holding flywheel.



**Tool Number**  
9131

**Order Number**  
Use 9201

**Description**  
Belt Tension Gauge

**Repair Group**  
15

**Model - Use**  
928 - For measuring toothed belt tension.



**Tool Number**  
9133/1

**Order Number**  
000 721 913 31

**Description**  
Allen Socket, 6mm

**Repair Group**  
15

**Model - Use**  
928/944 - For R & R camshaft housing.



**Tool Number**

9137

**Order Number**

000 721 913 70

**Description**

Holder

**Repair Group**

10

**Model - Use**

928 - For R & R of engine  
(2 valve).



**Tool Number**

9138

**Order Number**

Use 9138/1

**Description**

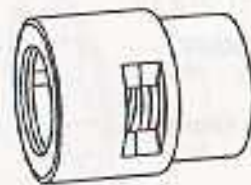
Gauge

**Repair Group**

15

**Model - Use**

928 - For measuring installed  
length of valve springs.



1

**Tool Number**

9138/1

**Order Number**

000 721 913 81

**Description**

Gauge

**Repair Group**

15

**Model - Use**

928/944 - For measuring  
installed length of valve  
springs.



**Tool Number**

9157

**Order Number**

Use 9157/1

**Description**

Holding Device

**Repair Group**

17

**Model - Use**

928 - For holding oil pump  
drive gear.



**Tool Number**

9157/1

**Order Number**

000 721 915 71

**Description**

Holding Device

**Repair Group**

17

**Model - Use**

928 - For holding oil pump  
drive gear.



**Tool Number**

9161

**Order Number**

000 721 916 10

**Description**

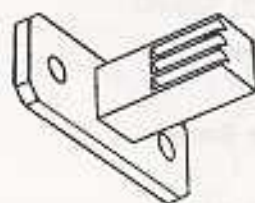
Toothed Element

**Repair Group**

13

**Model - Use**

928 - For locking flywheel  
with engine installed.



**Tool Number**

9161/1

**Order Number**

000 721 916 11

**Description**

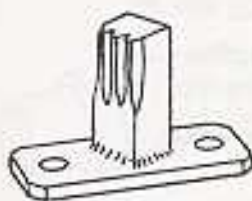
Toothed Element

**Repair Group**

13

**Model - Use**

928 - For locking flywheel  
with engine installed.



**Tool Number**

9182

**Order Number**

000 721 918 20

**Description**

Lever

**Repair Group**

15

**Model - Use**

911 - For prestressing the  
chain tensioners.



**Tool Number**

9191

**Order Number**

000 721 919 10

**Description**

Wrench

**Repair Group**

15

**Model - Use**

911 - For holding and turning of camshaft.

**Tool Number**

9193

**Order Number**

000 721 919 30

**Description**

Press Tool

**Repair Group**

15

**Model - Use**

924 - For installation of valve guides.

**Tool Number**

9195

**Order Number**

000 721 919 50

**Description**

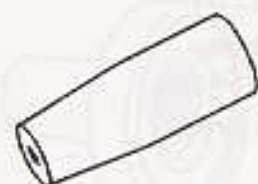
Sleeve

**Repair Group**

17

**Model - Use**

928 - For protection of oil pump seal during installation.

**Tool Number**

9197

**Order Number**

000 721 919 70

**Description**

Engine Stand Adapter

**Repair Group**

10

**Model - Use**

944 - For mounting engine in conjunction with 9127.

**Tool Number**

9200

**Order Number**

000 721 920 00

**Description**

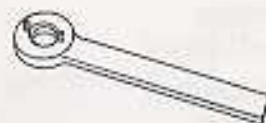
Wrench

**Repair Group**

13

**Model - Use**

944 - For holding balance during R &amp; R of bolt.

**Tool Number**

9201

**Order Number**

000 721 920 10

**Description**

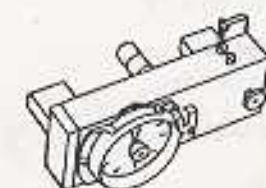
Belt Tension Gauge

**Repair Group**

13, 15

**Model - Use**

928/944 - For checking belt tension of camshaft, balance shaft, and alternator belts.

**Tool Number**

9201/2

**Order Number**

000 721 920 12

**Description**

Calibration Bar

**Repair Group**

13, 15

**Model - Use**

928/944 - For checking and adjusting 9201.

**Tool Number**

9202

**Order Number**

000 721 920 20

**Description**

Pressing Tool

**Repair Group**

13, 15

**Model - Use**

928/944 - For installation of camshaft and balance shaft seals.



**Tool Number**

9203

**Order Number**

000 721 920 30

**Description**

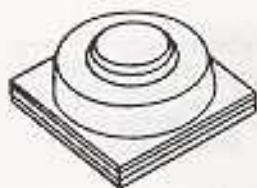
Sieve

**Repair Group**

13

**Model - Use**

928/944 - For protection of crankshaft seal during installation

**Tool Number**

9205

**Order Number**

000 721 920 50

**Description**

Allen Socket

**Repair Group**

15

**Model - Use**

944 - For R &amp; R of camshaft sprocket bolt.

**Tool Number**

9206/1

**Order Number**

000 721 920 61

**Description**

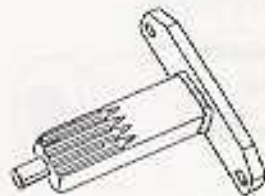
Flywheel Lock

**Repair Group**

13

**Model - Use**

958 - Used for holding flywheel when engine is installed.

**Tool Number**

9210

**Order Number**

000 721 921 00

**Description**

Mandrel

**Repair Group**

13

**Model - Use**

944 - For driving in bearing sleeve for balance shaft housing.

**Tool Number**

9204

**Order Number**

000 721 920 40

**Description**

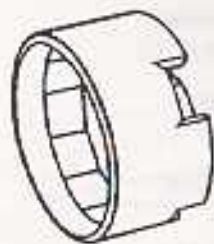
Oil Filter Wrench

**Repair Group**

17

**Model - Use**

928/944 - For R &amp; R of oil filter.

**Tool Number**

9206

**Order Number**

000 721 920 60

**Description**

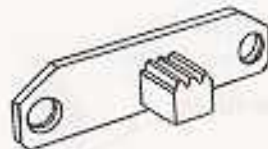
Flywheel Lock

**Repair Group**

13

**Model - Use**

944 - For locking flywheel while engine is installed.

**Tool Number**

9207

**Order Number**

000 721 920 70

**Description**

Gauge

**Repair Group**

13

**Model - Use**

944 - For adjustment of roller for balance shaft toothed belt.

**Tool Number**

9211

**Order Number**

000 721 921 10

**Description**

Gauge Bridge

**Repair Group**

10

**Model - Use**

928 - For measurement of distance between flywheel and crankcase w/auto Trans.



**Tool Number**

9215

**Order Number**

000 721 921 50

**Description**

Mandrel

**Repair Group**

17

**Model - Use**

944 - For installation of guide sleeve and alignment of oil cooler housing.

**Tool Number**

9220

**Order Number**

X

**Description**

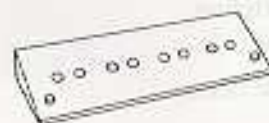
Pressing Out Base

**Repair Group**

15

**Model - Use**

928/944 - For R &amp; R of valve guides.

**Tool Number**

9220/1

**Order Number**

000 721 922 01

**Description**

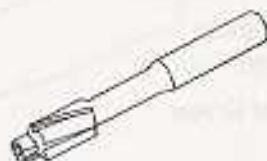
Spot Facing Cutter

**Repair Group**

15

**Model - Use**

911/928/944 - For cutting off old valve guide prior to pressing out.

**Tool Number**

9221

**Order Number**

000 721 922 10

**Description**

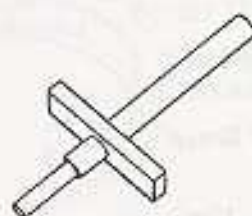
Valve Guide Mandrel

**Repair Group**

15

**Model - Use**

928/944 - For pressing in valve guides to proper depth.

**Tool Number**

9222/1

**Order Number**

000 721 922 21

**Description**

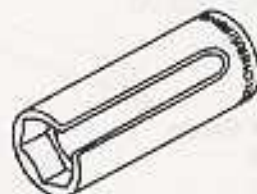
Socket

**Repair Group**

15

**Model - Use**

911 - For R &amp; R of cylinder head temperature sensor.

**Tool Number**

9224

**Order Number**

000 721 922 40

**Description**

Mandrel

**Repair Group**

15

**Model - Use**

928/944 - Used to press out cut off valve guides.

**Tool Number**

9225

**Order Number**

Use 9225/1

**Description**

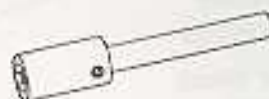
Seal Installer

**Repair Group**

15

**Model - Use**

928/944 - Used to install valve stem seals.

**Tool Number**

9225/1

**Order Number**

000 721 922 51

**Description**

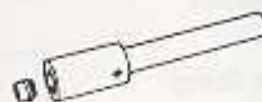
Seal Installer

**Repair Group**

15

**Model - Use**

928/944 - Used to install valve stem seals.



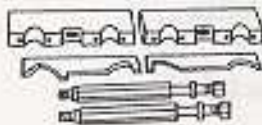


**Tool Number**  
9226  
**Order Number**  
000 721 922 60

**Description**  
Camshaft Bridges

**Repair Group**  
15

**Model - Use**  
928/944 - For R & R of camshafts.



**Tool Number**  
9228  
**Order Number**  
000 721 922 80

**Description**  
Valve Guide R & R Kit

**Repair Group**  
15

**Model - Use**  
928/944 - Tool set consisting of 9220, 9220/1, 9221, and 9224.



**Tool Number**  
9232  
**Order Number**  
000 721 923 20

**Description**  
Dial Indicator Extension

**Repair Group**  
15

**Model - Use**  
928/944 - Used for adjusting cam timing.



**Tool Number**  
9233  
**Order Number**  
000 721 923 30

**Description**  
Sleeve

**Repair Group**  
15

**Model - Use**  
928/944 - For protection of camshaft seal in conjunction with 9234.



**Tool Number**  
9234  
**Order Number**  
000 721 923 40

**Description**  
Seal Installer

**Repair Group**  
15

**Model - Use**  
928/944 - For installing camshaft seal in conjunction with 9233.



**Tool Number**  
9236  
**Order Number**  
000 721 923 60

**Description**  
Holder

**Repair Group**  
13

**Model - Use**  
911 - For R & R of camshaft pulley bolt.



**Tool Number**  
9237  
**Order Number**  
000 721 923 70

**Description**  
Puller

**Repair Group**  
15

**Model - Use**  
928/944 - For removal of valve stem seals.

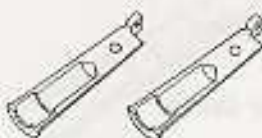


**Tool Number**  
9237/1  
**Order Number**  
999 721 923 71

**Description**  
Half Shells

**Repair Group**  
15

**Model - Use**  
All - Replacement half shells for 9237.



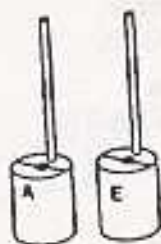
**Tool Number**  
9240

**Order Number**  
000 721 924 00

**Description**  
Gauge

**Repair Group**  
15

**Model - Use**  
928 - For measurement of  
installed valve spring height.



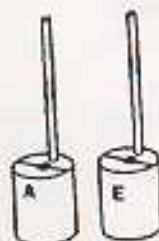
**Tool Number**  
9240/1

**Order Number**  
000 721 924 01

**Description**  
Gauge

**Repair Group**  
15

**Model - Use**  
928 - For measurement of  
installed valve spring height.



**Tool Number**  
9242

**Order Number**  
000 721 924 20

**Description**  
Valve Spring Compressor

**Repair Group**  
15

**Model - Use**  
928/944 - For R & R of valve  
springs with engine installed.



**Tool Number**  
9244

**Order Number**  
000 721 924 40

**Description**  
Wrench

**Repair Group**  
13, 15

**Model - Use**  
944 - For adjusting tension on  
camshaft and balance shaft  
belts.



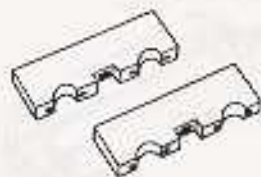
**Tool Number**  
9248

**Order Number**  
000 721 924 80

**Description**  
Camshaft Bridges

**Repair Group**  
15

**Model - Use**  
928/944 - For R & R of  
camshaft.



**Tool Number**  
9249

**Order Number**  
000 721 924 90

**Description**  
Gauge

**Repair Group**  
15

**Model - Use**  
928/944 - For measurement  
of valve guide wear.



**Tool Number**  
9262/1

**Order Number**  
000 721 926 21

**Description**  
Guide

**Repair Group**  
17

**Model - Use**  
944 - For alignment of oil  
cooler housing.



**Tool Number**  
9285/1

**Order Number**  
000 721 928 51

**Description**  
Puller

**Repair Group**  
13

**Model - Use**  
911 - Used to remove crank-  
shaft pulley.



**Tool Number**

9290

**Order Number**

000 721 929 00

**Description**

Wrench

**Repair Group**

13

**Model - Use**

911 - Used to hold crankshaft pulley.

**Tool Number**

9291

**Order Number**

000 721 929 10

**Description**

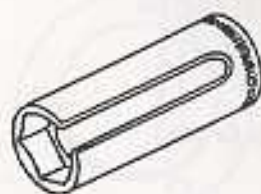
Socket

**Repair Group**

15

**Model - Use**

911 - For R &amp; R of cylinder head temperature sensor.



1

**Tool Number**

9295

**Order Number**

000 721 929 50

**Description**

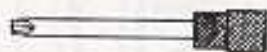
Allen Socket, 12 Point

**Repair Group**

15

**Model - Use**

911 - For R &amp; R of cylinder head bolts.

**Tool Number**

9401

**Order Number**

000 721 940 10

**Description**

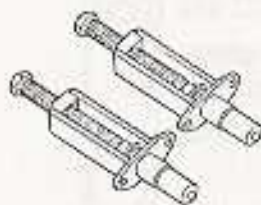
Auxiliary Chain Tensioner

**Repair Group**

15

**Model - Use**

911 - For tensioning cam chains while adjusting cam timing (set of 2).

**Tool Number**

9500

**Order Number**

000 721 950 00

**Description**

Piston Circlip Installer

**Repair Group**

13

**Model - Use**

911 - Used for piston installation.

**Tool Number**

9500/1

**Order Number**

000 721 950 01

**Description**

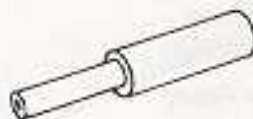
Piston Circlip Installer

**Repair Group**

13

**Model - Use**

911 - Used for piston installation.

**Tool Number**

9500/2

**Order Number**

000 721 950 02

**Description**

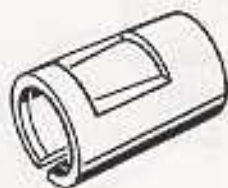
Piston Circlip Installer

**Repair Group**

13

**Model - Use**

911 - Used for piston installation.

**Tool Number**

9500/3

**Order Number**

000 721 950 03

**Description**

Circlip Remover

**Repair Group**

13

**Model - Use**

911 - Used to remove piston pin circlips.



**Tool Number**  
9500/4

**Order Number**  
000 721 950 04

**Description**  
Mandrel

**Repair Group**  
10

**Model - Use**  
911 - For installing piston pins.



**Tool Number**  
9501

**Order Number**  
000 721 950 10

**Description**  
Crowfoot Wrench

**Repair Group**  
17

**Model - Use**  
911 - For R & R of oil lines.



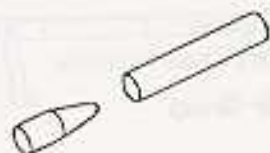
**Tool Number**  
9511

**Order Number**  
000 721 951 10

**Description**  
Assembly Sleeve

**Repair Group**  
10

**Model - Use**  
911 - For installing o-rings on the crankcase through bolts.



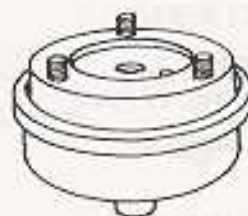
**Tool Number**  
9517

**Order Number**  
000 721 951 70

**Description**  
Oil Seal Installer

**Repair Group**  
13

**Model - Use**  
911 - For installing flywheel oil seal.



**Tool Number**  
9517/1

**Order Number**  
000 721 951 71

**Description**  
Mounting Plate

**Repair Group**  
10

**Model - Use**  
911/944/968 - For installing flywheel seal.



**Tool Number**  
9529

**Order Number**  
000 721 952 90

**Description**  
Flange

**Repair Group**  
15

**Model - Use**  
968 - Used to set cam timing.



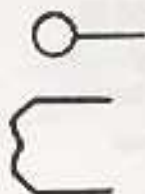
**Tool Number**  
9530

**Order Number**  
000 721 953 00

**Description**  
Clamp Pieces

**Repair Group**  
15

**Model - Use**  
968 - Used to keep cam chain tensioner and belt tensioner compressed.



**Tool Number**  
9538/1

**Order Number**  
000 721 953 81

**Description**  
Flywheel Lock

**Repair Group**  
13

**Model - Use**  
968 - Used to lock flywheel when engine is on engine stand.



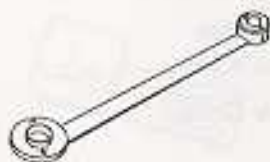
**Tool Number**  
9548

**Order Number**  
000 721 954 80

**Description**  
Holding Key

**Repair Group**  
10

**Model - Use**  
911 - Used for holding crank-  
shaft pulley.



**Tool Number**  
9552

**Order Number**  
000 721 955 20

**Description**  
Cam Setting Tool

**Repair Group**  
13

**Model - Use**  
911 - Used for holding  
camshafts when setting cam  
timing.



**Tool Number**  
9554

**Order Number**  
000 721 955 40

**Description**  
Holder Bolts

**Repair Group**  
13

**Model - Use**  
911 - Camshaft holder bolts  
for setting cam timing.



**Tool Number**  
9576

**Order Number**  
000 721 957 60

**Description**  
Adapter

**Repair Group**  
10

**Model - Use**  
911 - Used to install camshaft  
adapter.



**Tool Number**  
9551

**Order Number**  
000 721 955 10

**Description**  
Cam Setting Tool

**Repair Group**  
13

**Model - Use**  
911 - Used for holding  
camshafts when setting cam  
timing.



**Tool Number**  
9553

**Order Number**  
000 721 955 30

**Description**  
Position Holder

**Repair Group**  
13

**Model - Use**  
911 - For holding crankshaft  
position while setting cam tim-  
ing.



**Tool Number**  
9569

**Order Number**  
000 721 956 90

**Description**  
Seal Installer

**Repair Group**  
15

**Model - Use**  
911 - For installing valve stem  
seals.



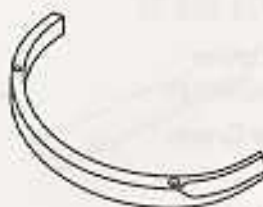
**Tool Number**  
9579

**Order Number**  
000 721 957 90

**Description**  
Adapter

**Repair Group**  
10

**Model - Use**  
911 - For installing engines on  
the engine stand.



**Tool Number**

9582

**Order Number**

000 721 958 20

**Description**

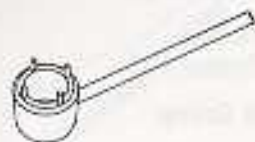
Sprocket Holder

**Repair Group**

10

**Model - Use**

911 - Used to hold the cam drive sprocket.

**Tool Number**

9589

**Order Number**

000 721 958 90

**Description**

Engine Holder

**Repair Group**

10

**Model - Use**

911/Boxster - Used to hold engine on stand in conjunction VW 313 &amp; 3054.

**Tool Number**

9590

**Order Number**

000 721 959 00

**Description**

Mounting Bolts

**Repair Group**

10

**Model - Use**

911/Boxster - Used to secure engine to 9589.

**Tool Number**

9591/1

**Order Number**

000 721 959 11

**Description**

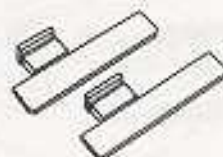
Support

**Repair Group**

10

**Model - Use**

Boxster - Used to support engine during transmission removal. Used with 10-222A.

**Tool Number**

9592

**Order Number**

000 721 959 20

**Description**

Support Plate

**Repair Group**

10

**Model - Use**

911/Boxster - Used to support engine when removing, in conjunction with 9163.

**Tool Number**

9592/1

**Order Number**

000 721 959 21

**Description**

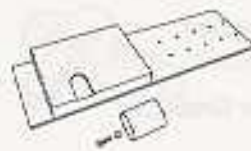
Support Plate

**Repair Group**

10

**Model - Use**

911 - Used to R &amp; R engine/transmission.

**Tool Number**

9594

**Order Number**

000 721 959 40

**Description**

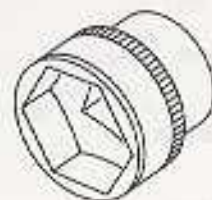
Socket

**Repair Group**

10

**Model - Use**

911/Boxster - Used to torque the crankshaft pulley bolt.

**Tool Number**

9593

**Order Number**

000 721 959 30

**Description**

Holding Fixture

**Repair Group**

13

**Model - Use**

911/Boxster - For holding crankshaft pulley.



**Tool Number**

9597

**Order Number**

000 721 959 70

**Description**

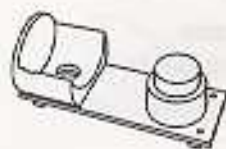
Holding Fixture

**Repair Group**

10

**Model - Use**

911/Boxster - Used to install piston pin in first row of cylinders.

**Tool Number**

9598

**Order Number**

000 721 959 80

**Description**

Alignment Tool

**Repair Group**

10

**Model - Use**

911/Boxster - For positioning piston prior to installing piston pins in 2nd row of cylinders.



1

**Tool Number**

9599

**Order Number**

000 721 959 90

**Description**

Chain Tensioners

**Repair Group**

15

**Model - Use**

911/Boxster - Used to pre-tension the chain guides during valve timing adjustment.

**Tool Number**

9602

**Order Number**

000 721 960 20

**Description**

Installation Tool

**Repair Group**

10

**Model - Use**

Boxster - Used to install piston pins and clips.

**Tool Number**

9603

**Order Number**

000 721 960 30

**Description**

Guide

**Repair Group**

13

**Model - Use**

Boxster - Used to install piston pin clip on tool 9602.

**Tool Number**

9604

**Order Number**

000 721 960 40

**Description**

Pressure Piece

**Repair Group**

13

**Model - Use**

911/Boxster - Used to install piston pin clip, in conjunction with 9602 and 9603.

**Tool Number**

9605/1

**Order Number**

000 721 960 51

**Description**

Pressure Piece

**Repair Group**

15

**Model - Use**

911 - Pressure piece for spark plug tube installation.

**Tool Number**

9606

**Order Number**

000 721 960 60

**Description**

Seal Installer

**Repair Group**

15

**Model - Use**

911/Boxster - Used to install valve stem seals.

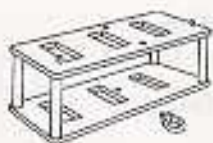


**Tool Number**  
9607  
**Order Number**  
000 721 960 70

**Description**  
Holding Fixture

**Repair Group**  
13

**Model - Use**  
911/Boxster - For pre-installation of crankshaft, connecting rods, and bearing cradle.



**Tool Number**  
9608  
**Order Number**  
000 721 960 80

**Description**  
Drift

**Repair Group**  
13

**Model - Use**  
Boxster - Centering drift for piston pin installation.



**Tool Number**  
9609/1  
**Order Number**  
000 721 960 91

**Description**  
Seal Installer

**Repair Group**  
10

**Model - Use**  
911/Boxster - Used to install crankshaft seal.

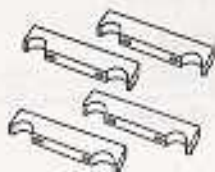


**Tool Number**  
9611  
**Order Number**  
000 721 961 10

**Description**  
Camshaft Supports

**Repair Group**  
15

**Model - Use**  
911/Boxster - Used to depress camshafts when adjusting the valve timing.



**Tool Number**  
9607/1  
**Order Number**  
000 721 960 71

**Description**  
Centering Mandrels

**Repair Group**  
13

**Model - Use**  
911/Boxster - Used in conjunction with 9607.



**Tool Number**  
9609  
**Order Number**  
000 721 960 90

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
911/Boxster - Used to install flywheel oil seal.



**Tool Number**  
9610  
**Order Number**  
000 721 961 00

**Description**  
Seal Installer

**Repair Group**  
13

**Model - Use**  
911/Boxster - Used to install crankshaft pulley seal.

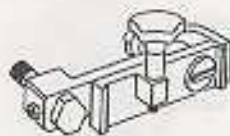


**Tool Number**  
9612  
**Order Number**  
000 721 961 20

**Description**  
Camshaft Lock

**Repair Group**  
15

**Model - Use**  
911/Boxster - Used to lock the camshaft in place during installation of cam gear.





**Tool Number**

9612/3

**Order Number**

000 721 961 23

**Description**

Alignment Collar

**Repair Group**

15

**Model - Use**

911/Boxster - Replacement collar for 9612. See Boxster Bulletin, Gp. 1, #7a/97.

**Tool Number**

9612/4

**Order Number**

000 721 961 24

**Description**

Centering Shaft

**Repair Group**

15

**Model - Use**

911/Boxster - Used in conjunction with 9612.



1

**Tool Number**

9612/5

**Order Number**

000 721 961 26

**Description**

Thumb Wheel Bolt

**Repair Group**

15

**Model - Use**

911/Boxster - Thumb wheel bolt used in conjunction with 9612.

**Tool Number**

9613

**Order Number**

000 721 961 30

**Description**

Spacer

**Repair Group**

13

**Model - Use**

911/Boxster - Used to locate the bearing cradle while rotating the engine on stand.

**Tool Number**

9614

**Order Number**

000 721 961 40

**Description**

Wrench

**Repair Group**

19

**Model - Use**

911 - Used to R &amp; R engine/transmission mount.

**Tool Number**

9627

**Order Number**

000 721 962 70

**Description**

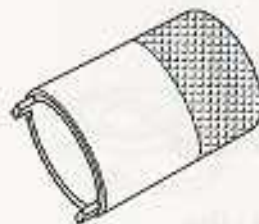
Assembly Aid

**Repair Group**

19

**Model - Use**

911/Boxster - Used to R &amp; R the cooling water thermostat.

**Tool Number**

9632

**Order Number**

000 721 963 20

**Description**

Drift

**Repair Group**

15

**Model - Use**

911/Boxster - Used to R &amp; R cam adjustment clamp.

**Tool Number**

9633

**Order Number**

000 721 963 30

**Description**

Socket

**Repair Group**

15

**Model - Use**

911/Boxster - Cylinder head socket used to R &amp; R heads.



**Tool Number**

9634

**Order Number**

000 721 963 40

**Description**

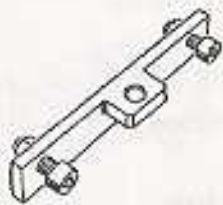
Hold-Down Device

**Repair Group**

15

**Model - Use**

911/Boxster - Used to hold-down camshafts.



**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

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**Model - Use**

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**Order Number**

**Description**

**Repair Group**

**Model - Use**

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**Tool Number**

PNA 721 042

**Order Number**

PNA 721 042

**Description**

12 point Angle Wrench

**Repair Group**

27

**Model - Use**

911 - Used to perform alternator belt/fan belt adjustments or replacements.

**Tool Number**

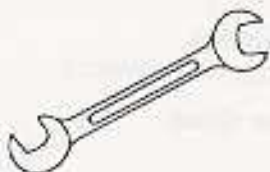
P 23

**Order Number**

X

**Description**

Carburetor Wrench, 12mm

**Repair Group**

20

**Model - Use**

356 - For R &amp; R of carburetors.

**Tool Number**

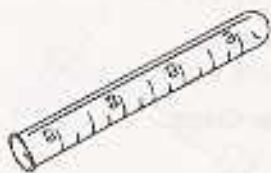
P 25 b

**Order Number**

000 721 025 20

**Description**

Calibration Vial

**Repair Group**

20

**Model - Use**

911 - For measurement of accelerator pump quantity.

**Tool Number**

P 76

**Order Number**

X

**Description**

Carburetor Wrench, 5.5mm

**Repair Group**

20

**Model - Use**

356/911/912 - For adjusting pump linkage on Zenith and Solex carburetors.

**Tool Number**

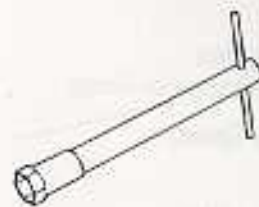
P 3

**Order Number**

X

**Description**

Spark Plug Wrench

**Repair Group**

28

**Model - Use**

356 - For R &amp; R of spark plugs.

**Tool Number**

P 25 a

**Order Number**

000 721 025 10

**Description**

Calibration Vial

**Repair Group**

20

**Model - Use**

356/911/912/914 - For measurement of accelerator pump quantity.

**Tool Number**

P 75

**Order Number**

X

**Description**

Synchrometer

**Repair Group**

20

**Model - Use**

356 - For synchronization of carburetors.

**Tool Number**

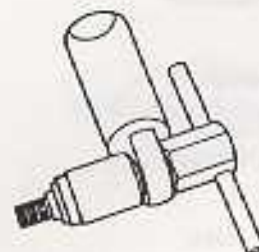
P 77

**Order Number**

X

**Description**

Carburetor Level Gauge

**Repair Group**

20

**Model - Use**

356 - For checking carburetor fuel level on Zenith carburetors.

**Tool Number**

P 78

**Order Number**

X

**Description**

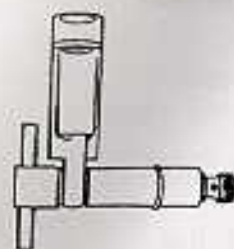
Carburetor Level Gauge

**Repair Group**

20

**Model - Use**

356/912 - For checking carburetor fuel level on Solex carburetors.

**Tool Number**

P 117 c

**Order Number**

X

**Description**

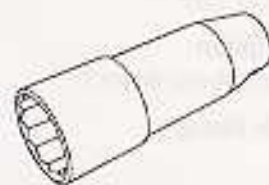
Spark Plug Socket

**Repair Group**

28

**Model - Use**

356 - For R &amp; R of spark plugs.

**Tool Number**

P 120 a

**Order Number**

X

**Description**

T Handle Swivel Wrench

**Repair Group**

20

**Model - Use**

356/911/914 - For R &amp; R of exhaust and injection pump nuts, 12mm.

**Tool Number**

P 120 b

**Order Number**

X

**Description**

T Handle Swivel Wrench

**Repair Group**

20

**Model - Use**

911/914 - For R &amp; R of exhaust and injection pump nuts, 13mm.

**Tool Number**

P 131

**Order Number**

X

**Description**

Holding Key

**Repair Group**

27

**Model - Use**

356 - For R &amp; R of generator ring nut.

**Tool Number**

P 217

**Order Number**

000 721 217 00

**Description**

T Handle Wrench

**Repair Group**

26

**Model - Use**

911/914 - For R &amp; R of heat exchanger nuts.

**Tool Number**

P 226 a

**Order Number**

X

**Description**

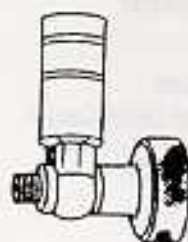
Carburetor Level Gauge

**Repair Group**

20

**Model - Use**

356/911 - For checking carburetor fuel level on Zenith and Weber carburetors.

**Tool Number**

P 228 b

**Order Number**

000 721 228 20

**Description**

Calibrated Angle Plates

**Repair Group**

23

**Model - Use**

911 - For measurement of fuel injection correlation.



**Tool Number**  
P 228 c

**Order Number**  
000 721 228 30

**Description**  
Calibrated Angle Plates



**Repair Group**  
23

**Model - Use**  
911 - For measurement of fuel injection correlation.

**Tool Number**  
P 229 b

**Order Number**  
000 721 229 30

**Description**  
Hex Head Screwdriver



**Repair Group**  
23

**Model - Use**  
911 - For adjustment of mechanical injection rack.

**Tool Number**  
P 230 b

**Order Number**  
000 721 230 20

**Description**  
T Handle Wrench



**Repair Group**  
23

**Model - Use**  
911 - For Adjustment of idle speed, 8mm.

**Tool Number**  
P 230 c

**Order Number**  
X

**Description**  
Hex Head Screwdriver



**Repair Group**  
23

**Model - Use**  
911 - For adjustment of idle speed, 8mm.

**Tool Number**  
P 231 b

**Order Number**  
000 721 231 20

**Description**  
T Handle Wrench



**Repair Group**  
23

**Model - Use**  
911 - For R & R of intake manifolds, 10mm.

**Tool Number**  
P 233 b

**Order Number**  
000 721 233 20

**Description**  
Manometer



**Repair Group**  
23

**Model - Use**  
911 - For checking fuel pressure.

**Tool Number**  
P 234 b

**Order Number**  
000 721 234 20

**Description**  
Tension Lever



**Repair Group**  
23

**Model - Use**  
911 - For tensioning of injection pump belt.

**Tool Number**  
P 235

**Order Number**  
X

**Description**  
Synchrometer



**Repair Group**  
23

**Model - Use**  
911 - For synchronizing intake flow of fuel injection.

**Tool Number**

P 235 a

**Order Number**

000 721 235 10

**Description**

Sealing Cone

**Repair Group**

23

**Model - Use**

911 - Used in conjunction with P 235.

**Tool Number**

P 236

**Order Number**

000 721 236 00

**Description**

Injection Test Pipe

**Repair Group**

23

**Model - Use**

911 - For checking fuel injector nozzles.

**Tool Number**

P 237

**Order Number**

X

**Description**

Thermometer

**Repair Group**

23

**Model - Use**

911 - For measurement of intake air temperature.

**Tool Number**

P 377

**Order Number**

000 721 377 00

**Description**

Allen Head Wrench, 3mm

**Repair Group**

24

**Model - Use**

924 - For adjusting CO level on vehicles with CIS.

**Tool Number**

P 378 b

**Order Number**

000 721 378 20

**Description**

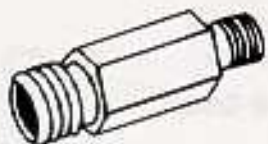
Connecting Pipe

**Repair Group**

25

**Model - Use**

All - For checking fuel pressure in conjunction with VW 1318.

**Tool Number**

P 378 c

**Order Number**

000 721 378 30

**Description**

Connection Line Set

**Repair Group**

24, 25

**Model - Use**

All - For checking fuel pressure in conjunction with VW 1318.

**Tool Number**

US 8025

**Order Number**

X

**Description**

Oil Temperature Gauge

**Repair Group**

24

**Model - Use**

All - For measurement of engine oil temperature while testing CO content.

**Tool Number**

US 8034

**Order Number**

X

**Description**

Injector Tester

**Repair Group**

25

**Model - Use**

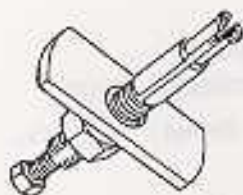
911 - For testing of CIS fuel injectors.



**Tool Number**  
W 228 b  
**Order Number**

**Description**  
Extractor  
**Repair Group**  
3, 27

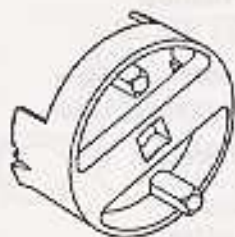
**Model - Use**  
11/914 - For removal of  
starter bushing, distributor  
drive, and pilot bearing.



**Tool Number**  
012a  
**Order Number**

**Description**  
Wrench  
**Repair Group**  
0

**Model - Use**  
24/928/944 - For R & R of  
level sender.



**Tool Number**  
9103/1  
**Order Number**  
000 721 910 31

**Description**  
Adapter  
**Repair Group**  
1

**Model - Use**  
11 - Used in conjunction with  
9103.



**Tool Number**  
9110  
**Order Number**  
000 721 911 00

**Description**  
Wrench  
**Repair Group**  
6

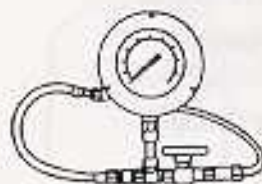
**Model - Use**  
11 - For R & R of thermal  
reactors.



**Tool Number**  
VW 1318  
**Order Number**  
X

**Description**  
Fuel Pressure Gauge  
**Repair Group**  
20

**Model - Use**  
All - For measuring fuel pres-  
sure.



**Tool Number**  
9103  
**Order Number**  
000 721 910 30

**Description**  
Boost Gauge  
**Repair Group**  
21

**Model - Use**  
911 - For testing intake mani-  
fold charge pressure.



**Tool Number**  
9103/2  
**Order Number**  
000 721 910 32

**Description**  
Boost/Vacuum Gauge  
**Repair Group**  
21

**Model - Use**  
911 - For testing intake mani-  
fold vacuum and charge pres-  
sure.



**Tool Number**  
9114  
**Order Number**  
000 721 911 40

**Description**  
Connecting Pipes  
**Repair Group**  
20

**Model - Use**  
911 - For testing both fuel  
pumps in conjunction with VW  
1318.



**Tool Number**

9114/1

**Order Number**

000 721 911 41

**Description**

Connecting Pipes

**Repair Group**

25

**Model - Use**

928 - For testing fuel pressure in conjunction with VW 1318.

**Tool Number**

9122

**Order Number**

X

**Description**

Oil Temperature Gauge

**Repair Group**

24

**Model - Use**

All - For measuring engine oil temperature while testing CO content.

**Tool Number**

9122/1

**Order Number**

X

**Description**

Oil Temperature Probe

**Repair Group**

24, 25

**Model - Use**

924/928/944 - Used in conjunction with 9122.

**Tool Number**

9122/2

**Order Number**

000 721 912 22

**Description**

Oil Temperature Probe

**Repair Group**

24

**Model - Use**

928/944 - Used in conjunction with 9122.

**Tool Number**

9134

**Order Number**

000 721 913 40

**Description**

Allen Screwdriver

**Repair Group**

25

**Model - Use**

928 - For adjusting CO content.

**Tool Number**

9156

**Order Number**

000 721 915 60

**Description**

Allen Wrench, 3mm

**Repair Group**

24

**Model - Use**

911 - For adjusting CO content.

**Tool Number**

9187

**Order Number**

000 721 918 70

**Description**

Allen Screwdriver

**Repair Group**

24

**Model - Use**

928 - For adjusting CO content.

**Tool Number**

9190

**Order Number**

000 721 919 00

**Description**

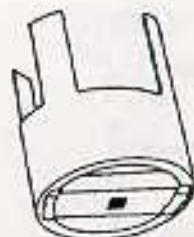
Wrench

**Repair Group**

20

**Model - Use**

928/944 - For R &amp; R of fuel level sender.





**Tool Number**  
9230

**Order Number**  
000 721 923 00

**Description**  
Flex Driver

**Repair Group**  
24

**Model - Use**  
928 - For adjusting CO content.



**Tool Number**  
9246

**Order Number**  
000 721 924 60

**Description**  
Diagnostic LED

**Repair Group**  
24

**Model - Use**  
944 - For reading KLR faults.



**Tool Number**  
9264

**Order Number**  
000 721 926 40

**Description**  
Adapter Set

**Repair Group**  
24

**Model - Use**  
All - For leak testing of intake manifolds. Also see Tech Bulletin, Grp. 2, Number 8502.



**Tool Number**  
9266

**Order Number**  
000 721 926 60

**Description**  
Puller

**Repair Group**  
24, 25

**Model - Use**  
All - For removal of Bosch electrical connectors.



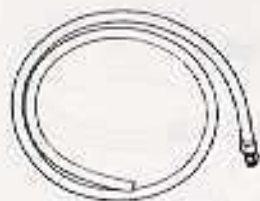
**Tool Number**  
9507

**Order Number**  
000 721 950 70

**Description**  
Connecting Hose

**Repair Group**  
20

**Model - Use**  
911 - For draining of fuel system and measurement of fuel flow volume.



**Tool Number**  
9513

**Order Number**  
000 721 951 30

**Description**  
Pliers

**Repair Group**  
27

**Model - Use**  
911 - For removing spark plug connectors.



**Tool Number**  
9559

**Order Number**  
000 721 955 90

**Description**  
Fuel Gauge Hose

**Repair Group**  
20

**Model - Use**  
911



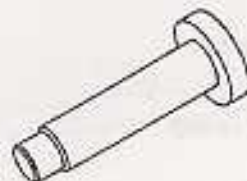
**Tool Number**  
9605

**Order Number**  
000 721 960 50

**Description**  
Pressure Piece

**Repair Group**  
28

**Model - Use**  
911/Boxster - Used to install protective tubes in the spark plug channel.



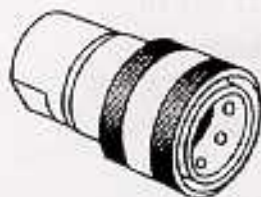
**Tool Number**  
PNA 721 002

**Order Number**  
PNA 721 002

**Description**  
ATF Fill Coupler

**Repair Group**  
38

**Model - Use**  
928 - For filling automatic transmission.



**Tool Number**  
PNA 721 036

**Order Number**  
PNA 721 036

**Description**  
Press Device

**Repair Group**  
34

**Model - Use**  
968 - Used to remove the shift rail roll pin on a G44 transmission.



**Tool Number**  
PNA 721 037

**Order Number**  
PNA 721 037

**Description**  
Gear Puller

**Repair Group**  
35

**Model - Use**  
911 - Used to remove gear sets in G50 and G64 transmissions.



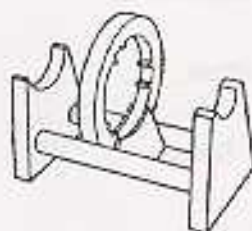
**Tool Number**  
P 31

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
35

**Model - Use**  
356 - For R & R of pinion shaft castle nut.



3

**Tool Number**  
P 31 a

**Order Number**  
X

**Description**  
Gage

**Repair Group**  
35

**Model - Use**  
356 - Used in conjunction with P 31.



**Tool Number**  
P 33

**Order Number**  
X

**Description**  
Gauge

**Repair Group**  
39

**Model - Use**  
356 - Used to determine pinion depth.



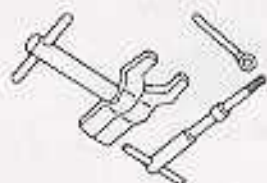
**Tool Number**  
P 34 a

**Order Number**  
X

**Description**  
Shaft Holding Clamp

**Repair Group**  
39

**Model - Use**  
356 - For holding pinion shaft while measuring backlash.



**Tool Number**  
P 35 a

**Order Number**  
X

**Description**  
Gauge

**Repair Group**  
30

**Model - Use**  
356 - For adjusting clutch release bearing.



**Tool Number**

P 37

**Order Number**

000 721 037 00

**Description**

Drive Shaft Lock Plate

**Repair Group**

35

**Model - Use**

356/911/912/914 - For holding the drive shaft during R &amp; R of the hex nut.

**Tool Number**

P 37 a

**Order Number**

000 721 037 10

**Description**

Drive Shaft Lock Plate

**Repair Group**

35

**Model - Use**

911 - For holding the drive shaft during R &amp; R of the hex nut.

**Tool Number**

P 39

**Order Number**

X

**Description**

Collar

**Repair Group**

35

**Model - Use**

356 - For tightening gears and sleeves on pinion shaft.

**Tool Number**

P 41

**Order Number**

X

**Description**

Assembly Ring

**Repair Group**

35

**Model - Use**

356 - For installing bearing onto pinion shaft.

**Tool Number**

P 45

**Order Number**

X

**Description**

Pipe

**Repair Group**

35

**Model - Use**

356 - For pressing gears onto mainshaft.

**Tool Number**

P 46

**Order Number**

X

**Description**

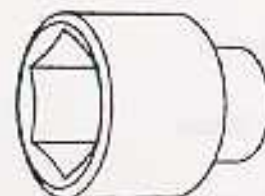
Socket

**Repair Group**

35

**Model - Use**

356 - For R &amp; R of pinion shaft

**Tool Number**

P 55

**Order Number**

X

**Description**

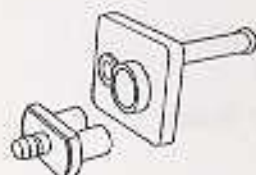
Press Stand

**Repair Group**

35

**Model - Use**

356 - For pressing intermediate plate onto main and pinion shafts.

**Tool Number**

P 56

**Order Number**

000 721 056 00

**Description**

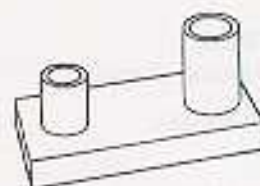
Press Block

**Repair Group**

35

**Model - Use**

356 - For pressing intermediate plate onto main and pinion shafts.



**Tool Number**  
P 57

**Order Number**  
X

**Description**  
Guide Pin (short)

**Repair Group**  
34

**Model - Use**  
356 - For installing selector  
rod lock bushing.



**Tool Number**  
P 58

**Order Number**  
X

**Description**  
Guide Pin (long)

**Repair Group**  
34

**Model - Use**  
356 - For installing selector  
rod lock bushing.



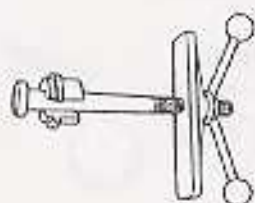
**Tool Number**  
P 59

**Order Number**  
X

**Description**  
Puller

**Repair Group**  
34

**Model - Use**  
356 - For removal of bearing  
races from transmission  
case.



**Tool Number**  
P 60

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
356 - For installation of pinion  
shaft bearing race in  
transmission housing.



**Tool Number**  
P 61

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
356 - For installation of pinion  
shaft bearing race in  
transmission housing.



**Tool Number**  
P 62

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
356 - For R & R of clutch  
pivot shaft bearings.



**Tool Number**  
P 64

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
356 - For installing the outer  
bushing of the clutch pivot  
shaft.



**Tool Number**  
P 65

**Order Number**  
X

**Description**  
Plate

**Repair Group**  
35

**Model - Use**  
356 - For removal of roller  
bearing on mainshaft.



**Tool Number**

P 66

**Order Number**

X

**Description**

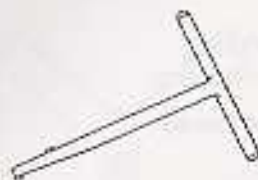
Puller

**Repair Group**

34

**Model - Use**

356 - For removal of selector rod lock bushings.

**Tool Number**

P 67

**Order Number**

X

**Description**

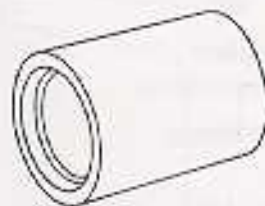
Press Guide

**Repair Group**

35

**Model - Use**

356 - For removal of roller bearing from pinion shaft.

**Tool Number**

P 68

**Order Number**

X

**Description**

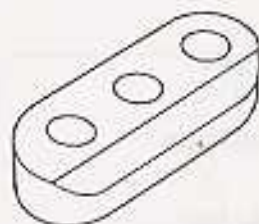
Guide

**Repair Group**

35

**Model - Use**

356 - For guiding selector forks while adjusting shift forks.

**Tool Number**

P 69

**Order Number**

X

**Description**

Stub Axle Gauge

**Repair Group**

34

**Model - Use**

914 - For installing bushings in transmission housing.

**Tool Number**

P 143

**Order Number**

X

**Description**

Setting Gauge

**Repair Group**

34

**Model - Use**

356 - For shift linkage adjustment.

**Tool Number**

P 201

**Order Number**

000 721 201 00

**Description**

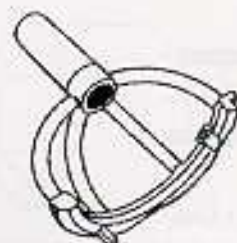
Engine Stand Adapter

**Repair Group**

34

**Model - Use**

All - For securing the engine or transmission on repair stand.

**Tool Number**

P 219 a

**Order Number**

000 721 219 10

**Description**

Support Sleeve

**Repair Group**

30

**Model - Use**

911 - For installing clutch cover on flywheel.

**Tool Number**

P 252

**Order Number**

000 721 252 00

**Description**

Hex Socket, 32mm

**Repair Group**

35

**Model - Use**

911/912/914 - For R &amp; R of drive shaft nut.

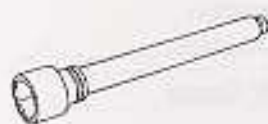


**Tool Number**  
P 252 a

**Order Number**

**Description**  
Hex Socket, 41mm

**Repair Group**  
35



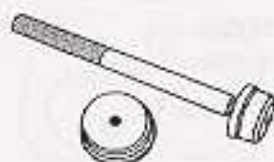
**Model - Use**  
911 - For R & R of drive shaft  
nut.

**Tool Number**  
P 254

**Order Number**  
000 721 254 00

**Description**  
Driver Set

**Repair Group**  
34, 39



**Model - Use**  
All - For various press opera-  
tions.

**Tool Number**  
P 254 b

**Order Number**  
000 721 254 20

**Description**  
Pressure Piece

**Repair Group**  
34



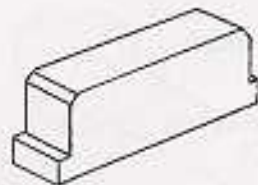
**Model - Use**  
All - Driver accessory.

**Tool Number**  
P 254 d

**Order Number**  
000 721 254 40

**Description**  
Pressure Piece

**Repair Group**  
34



**Model - Use**  
All - Driver accessory used for  
removal of bearing race at  
gearbox.

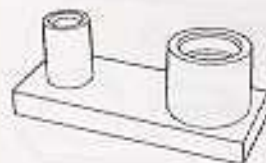
**Tool Number**  
P 253

**Order Number**  
000 721 253 00

**Description**  
Press Plate

**Repair Group**  
35

**Model - Use**  
911/912/914 - For removing  
the gear pack at the interme-  
diate plate.



**Tool Number**  
P 254 a

**Order Number**  
000 721 254 10

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
All - Driver accessory.



3

**Tool Number**  
P 254 c

**Order Number**  
000 721 254 30

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
All - Driver accessory.



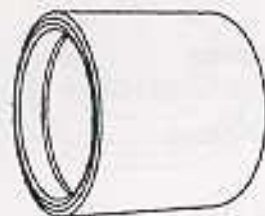
**Tool Number**  
P 255

**Order Number**  
000 721 255 00

**Description**  
Guide Sleeve

**Repair Group**  
39

**Model - Use**  
911/912/914 - For removal  
of the roller bearing from the  
pinion shaft.



**Tool Number**

P 255 a

**Order Number**

000 721 255 10

**Description**

Guide Sleeve

**Repair Group**

35

**Model - Use**

911 - For disassembly of the drive pinion.

**Tool Number**

P 256

**Order Number**

000 721 256 00

**Description**

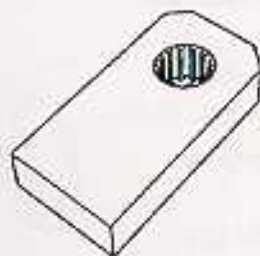
Holding Plate

**Repair Group**

35

**Model - Use**

911/912/914 - For holding the drive shaft during R &amp; R of the collar nut.

**Tool Number**

P 257

**Order Number**

X

**Description**

Drifts

**Repair Group**

39

**Model - Use**

911/912 - For R &amp; R of roll pins from the differential.

**Tool Number**

P 258

**Order Number**

X

**Description**

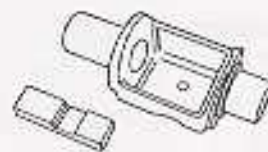
Transmission Gauge

**Repair Group**

39

**Model - Use**

911/912/914 - For measurement of pinion shaft.

**Tool Number**

P 258 b

**Order Number**

X

**Description**

Bushings

**Repair Group**

39

**Model - Use**

911 - Used in conjunction with P 258.

**Tool Number**

P 258 c

**Order Number**

X

**Description**

Adjusting Block

**Repair Group**

39

**Model - Use**

911 - Used in conjunction with P 258.

**Tool Number**

P 259

**Order Number**

X

**Description**

Clamp &amp; Gauge Holder

**Repair Group**

39

**Model - Use**

911/912/914 - Used for measuring ring and pinion backlash.

**Tool Number**

P 259 a

**Order Number**

X

**Description**

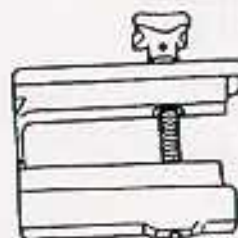
Holder

**Repair Group**

39

**Model - Use**

911 - Used for measuring ring and pinion backlash.



**Tool Number**

P 259 b

**Order Number**

**Description**  
Measuring Gauge

**Repair Group****Model - Use**

1 - Used in conjunction with P 259 and P 259 a.

**Tool Number**

P 260 a

**Order Number**

000 721 260 10

**Description**  
Holding Plate

**Repair Group****Model - Use**

1 - For holding gear shafts and selector rods when adjusting shift forks.

**Tool Number**

P 263

**Order Number**

000 721 263 00

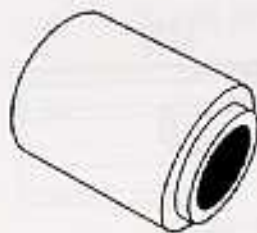
**Description**  
Press Pipe

**Repair Group**

39, 42

**Model - Use**

1 - Press accessory.

**Tool Number**

P 264 b

**Order Number**

000 721 264 20

**Description**  
Press Piece

**Repair Group**

39

**Model - Use**

1 - For pressing in tapered roller bearings.

**Tool Number**

P 260

**Order Number**

000 721 260 00

**Description**

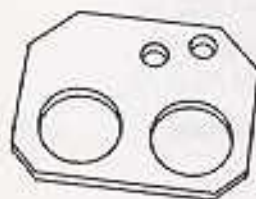
Holding Plate

**Repair Group**

39

**Model - Use**

911/912/914 - For holding gear shafts and selector rods when adjusting shift forks.

**Tool Number**

P 262

**Order Number**

000 721 262 00

**Description**

Mandrel

**Repair Group**

34

**Model - Use**

911/912/914 - For installing the gear lock bushings.

**Tool Number**

P 264

**Order Number**

000 721 264 00

**Description**

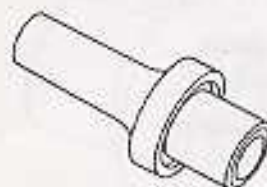
Press Piece

**Repair Group**

39

**Model - Use**

911/912/914 - Used for pressing in tapered roller bearings.

**Tool Number**

P 265 b

**Order Number**

000 721 265 20

**Description**

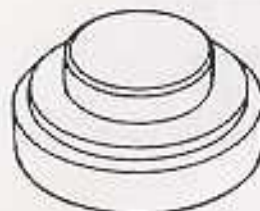
Pressure Piece

**Repair Group**

34

**Model - Use**

911/912/914 - For installing output flange seal.





**Tool Number**

P 265 c

**Order Number**

000 721 265 30

**Description**

Pressure Piece

**Repair Group**

39

**Model - Use**

911 - For installing output flange seal.

**Tool Number**

P 265 d

**Order Number**

000 721 265 40

**Description**

Pressure Piece

**Repair Group**

39

**Model - Use**

911 - For installing output flange seal.

**Tool Number**

P 299

**Order Number**

000 721 299 00

**Description**

Installing Tool

**Repair Group**

34

**Model - Use**

911 - For installing gearshift knob.

**Tool Number**

P 351

**Order Number**

000 721 351 00

**Description**

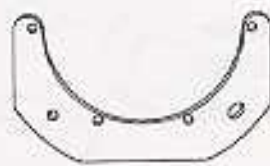
Assembly Plate

**Repair Group**

37

**Model - Use**

911/914 - For blocking transmission gears on the P 201 engine assembly stand.

**Tool Number**

P 353

**Order Number**

000 721 353 00

**Description**

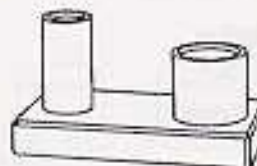
Remover

**Repair Group**

38

**Model - Use**

911/914 - For removing gear clusters from the intermediate plate.

**Tool Number**

P 353 a

**Order Number**

000 721 353 10

**Description**

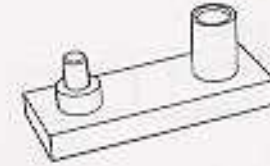
Remover

**Repair Group**

38

**Model - Use**

911 - For removing gear clusters from the intermediate plate.

**Tool Number**

P 354

**Order Number**

000 721 354 00

**Description**

Press Piece

**Repair Group**

38

**Model - Use**

911/914 - For removal of reverse intermediate gear, in conjunction with a puller.

**Tool Number**

P 355

**Order Number**

000 721 355 00

**Description**

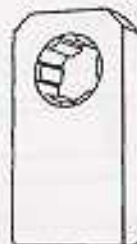
Holder

**Repair Group**

38

**Model - Use**

911/914 - For holding input shaft during R &amp; R of hex nut.



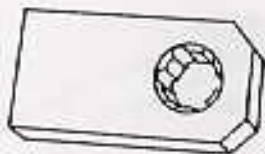
**Tool Number**  
P 355 a

**Order Number**

**Description**  
Stop Plate

**Repair Group**  
39

**Model - Use**  
911 - For holding input shaft  
during R & R of hex nut.



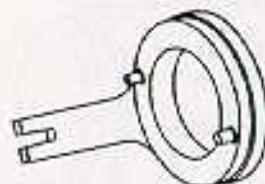
**Tool Number**  
P 356

**Order Number**  
000 721 356 00

**Description**  
Stop Plate

**Repair Group**  
39

**Model - Use**  
911/914 - For holding axle  
flanges during R & R of  
stretch bolts.



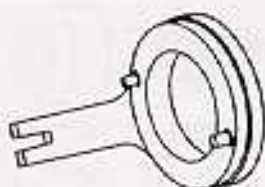
**Tool Number**  
P 356 b

**Order Number**

**Description**  
Stop Plate

**Repair Group**  
39

**Model - Use**  
911/912 - For holding axle  
flanges during R & R of  
stretch bolts.



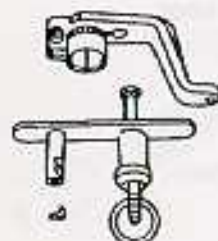
**Tool Number**  
P 357

**Order Number**  
000 721 357 00

**Description**  
Clamp & Gauge Holder

**Repair Group**  
39

**Model - Use**  
911/914 - For measuring ring  
and pinion backlash  
(Sportomatic).



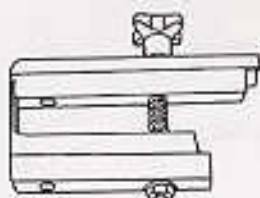
**Tool Number**  
P 357 a

**Order Number**  
000 721 357 10

**Description**  
Holder

**Repair Group**  
39

**Model - Use**  
911 - For measuring ring and  
pinion backlash  
(Sportomatic).



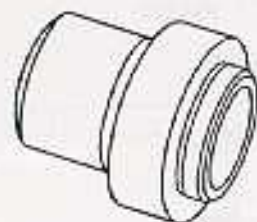
**Tool Number**  
P 358

**Order Number**  
000 721 358 00

**Description**  
Seal Installer

**Repair Group**  
32

**Model - Use**  
911 - For installing large  
torque converter seal.



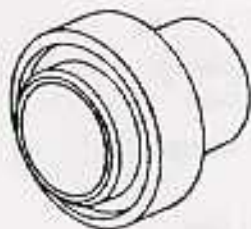
**Tool Number**  
P 358 a

**Order Number**  
000 721 358 10

**Description**  
Seal Installer

**Repair Group**  
37

**Model - Use**  
911 - For installation of seal-  
ing ring (Sportomatic).



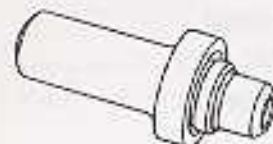
**Tool Number**  
P 359

**Order Number**  
000 721 359 00

**Description**  
Seal Installer

**Repair Group**  
32

**Model - Use**  
911/914 - For installing small  
torque converter seal.



**Tool Number**

P 360

**Order Number**

000 721 360 00

**Description**

Seal Installer

**Repair Group**

37

**Model - Use**

911/914 - For installation of input shaft oil seal (Sportomatic).

**Tool Number**

P 361

**Order Number**

000 721 361 00

**Description**

Mandrel

**Repair Group**

34

**Model - Use**

911 - For installation of needle bearing.

**Tool Number**

P 364

**Order Number**

000 721 364 00

**Description**

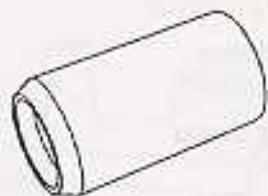
Sleeve

**Repair Group**

37

**Model - Use**

911/914 - For protection of input shaft seal, in conjunction with P 360

**Tool Number**

P 366

**Order Number**

X

**Description**

T Handle

**Repair Group**

34

**Model - Use**

911 - For tensioning springs in gearbox housing.

**Tool Number**

P 360 a

**Order Number**

000 721 360 10

**Description**

Seal Installer

**Repair Group**

34

**Model - Use**

911 - For installation of input shaft seal.

**Tool Number**

P 362

**Order Number**

X

**Description**

Seal Installer

**Repair Group**

37

**Model - Use**

911/914 - For installation of seal in pressure plate.

**Tool Number**

P 365

**Order Number**

X

**Description**

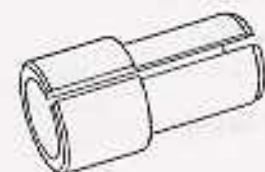
Sleeve

**Repair Group**

39

**Model - Use**

911/914 - For measurement of pinion depth, in conjunction with P 258 (Sportomatic).

**Tool Number**

P 369

**Order Number**

000 721 369 00

**Description**

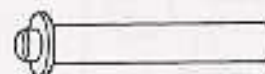
Seal Installer

**Repair Group**

34

**Model - Use**

911 - For installing selector shaft seal.



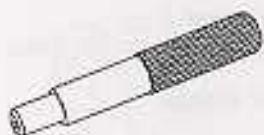
**Tool Number**  
P 370

**Order Number**  
X

**Description**  
Alignment Tool

**Repair Group**  
30

**Model - Use**  
911 - For centering clutch disc.



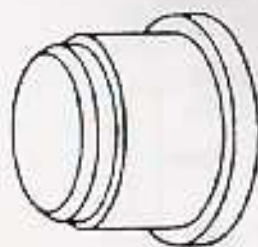
**Tool Number**  
P 371

**Order Number**  
000 721 371 00

**Description**  
Pressure Piece

**Repair Group**  
35

**Model - Use**  
911 - For pressing out reverse gear (Sportomatic).



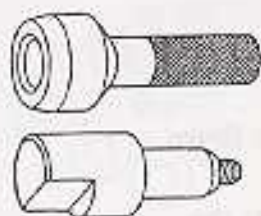
**Tool Number**  
P 372

**Order Number**  
000 721 372 00

**Description**  
Alignment Tools

**Repair Group**  
35

**Model - Use**  
911 - For 4 point gearbox bearing (Sportomatic).



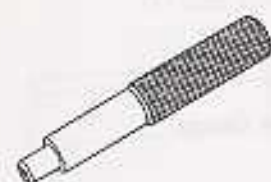
**Tool Number**  
P 373

**Order Number**  
000 721 373 00

**Description**  
Alignment Tool

**Repair Group**  
30

**Model - Use**  
911 - For centering clutch disc (Sportomatic).



3

**Tool Number**  
P 374

**Order Number**  
000 721 374 00

**Description**  
Seal Installer

**Repair Group**  
34

**Model - Use**  
911 - For installing speedometer drive seal.



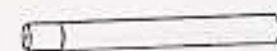
**Tool Number**  
P 375

**Order Number**  
000 721 375 00

**Description**  
Mandrel

**Repair Group**  
30, 34

**Model - Use**  
911 - For various press operations.



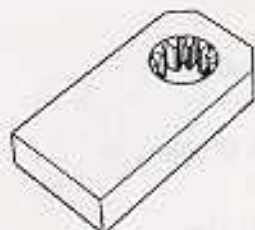
**Tool Number**  
P 376

**Order Number**  
000 721 376 00

**Description**  
Input Shaft Holder

**Repair Group**  
30

**Model - Use**  
911 - For holding input shaft nuts (Sportomatic).



**Tool Number**  
P 379

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
914 - For installation of trans housing bushing.



**Tool Number**

P 381

**Order Number**

000 721 381 00

**Description**

Seal Installer

**Repair Group**

34

**Model - Use**

911 - For installation of input shaft seal.

**Tool Number**

P 381 a

**Order Number**

000 721 381 10

**Description**

Seal Installer

**Repair Group**

34

**Model - Use**

911 - For installation of input shaft seal.

**Tool Number**

P 382

**Order Number**

000 721 382 00

**Description**

Sleeve

**Repair Group**

34

**Model - Use**

911 - For protection of input shaft seal, in conjunction with P 381.

**Tool Number**

P 386

**Order Number**

000 721 386 00

**Description**

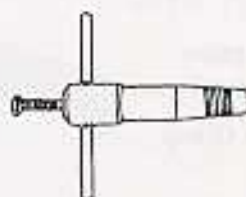
Puller

**Repair Group**

34

**Model - Use**

911 - For removal of input shaft seal.

**Tool Number**

US 1037

**Order Number**

X

**Description**

Puller

**Repair Group**

34, 39

**Model - Use**

All - Multiple uses.

**Tool Number**

US 1039

**Order Number**

X

**Description**

Puller

**Repair Group**

34, 35

**Model - Use**

All - Multiple uses.

**Tool Number**

US 1078

**Order Number**

X

**Description**

Puller

**Repair Group**

34, 35

**Model - Use**

All - Multiple uses.

**Tool Number**

US 1079

**Order Number**

X

**Description**

Puller Hooks

**Repair Group**

34, 35

**Model - Use**

All - Multiple uses in conjunction with US 1078.



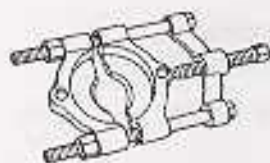
**Tool Number**  
US 1103

**Order Number**

**Description**  
Separator

**Repair Group**  
35, 39

**Model - Use**  
All - Multiple uses.



**Tool Number**  
US 4450

**Order Number**

**Description**  
Driver Set

**Repair Group**  
34, 38

**Model - Use**  
All - Multiple uses.



**Tool Number**  
US 8050

**Order Number**

**Description**  
Driver Set

**Repair Group**  
34, 39

**Model - Use**  
All - Multiple uses.



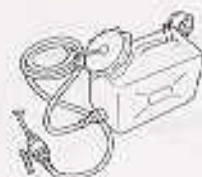
**Tool Number**  
VAG 1924

**Order Number**

**Description**  
ATF Filling Device

**Repair Group**  
30

**Model - Use**  
Boxster - Used when adding  
ATF fluid to the Tiptronic  
transmission.



**Tool Number**  
US 1108

**Order Number**  
X

**Description**  
Puller

**Repair Group**  
34, 39

**Model - Use**  
All - Multiple uses.



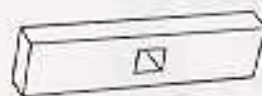
**Tool Number**  
US 8038

**Order Number**  
X

**Description**  
Bar

**Repair Group**  
39

**Model - Use**  
All - Multiple uses.



**Tool Number**  
VAG 1582 & 1582/2

**Order Number**  
X

**Description**  
Puller w/Grip

**Repair Group**  
30

**Model - Use**  
Boxster - Used to remove  
bearing in manual  
transmission.



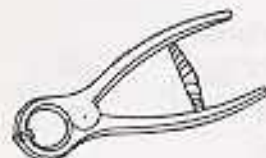
**Tool Number**  
VW 161 a

**Order Number**  
X

**Description**  
Snap Ring Pliers

**Repair Group**  
13, 35, 42

**Model - Use**  
All - For R & R snap rings



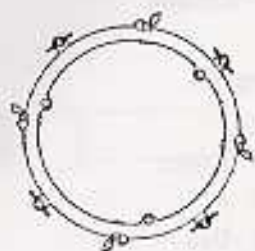
**Tool Number**  
VW 184

**Order Number**  
X

**Description**  
Retainer Ring

**Repair Group**  
30

**Model - Use**  
911/914 - For holding  
flywheel.



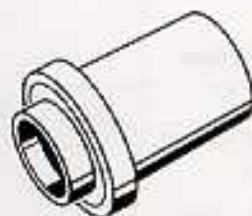
**Tool Number**  
VW 192

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
32

**Model - Use**  
Boxster - Used to install Tip-  
tronic input shaft seal.



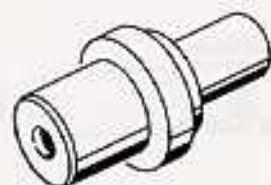
**Tool Number**  
VW 195

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
39

**Model - Use**  
Boxster - Used in conjunction  
with seal installer.



**Tool Number**  
VW 207

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
911/914 - For installing  
shifter bushing.



**Tool Number**  
VW 215 c

**Order Number**  
X

**Description**  
Flywheel Lock

**Repair Group**  
30

**Model - Use**  
914 - For holding flywheel on  
removed engine.



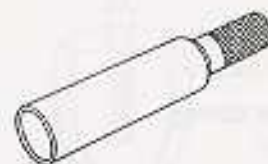
**Tool Number**  
VW 244 b

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
32

**Model - Use**  
911/914 - For installation of  
torque converter bushing.



**Tool Number**  
VW 295

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34, 39

**Model - Use**  
All - Used with various drivers  
and pressure pieces.



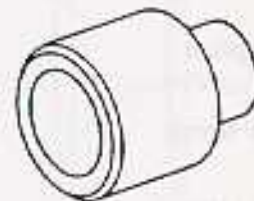
**Tool Number**  
VW 295 a

**Order Number**  
X

**Description**  
Driver

**Repair Group**  
34, 39

**Model - Use**  
Boxster/944 - For removing  
input shaft bearing, in  
conjunction with VW 295.



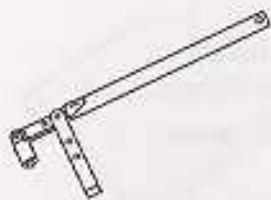
**Tool Number**  
VW 296

**Order Number**  
X

**Description**  
Press

**Repair Group**  
39

**Model - Use**  
Boxster - Used to remove pinion carrier.



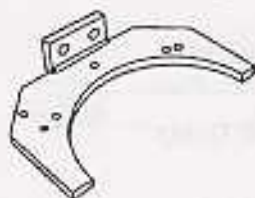
**Tool Number**  
VW 353

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
39

**Model - Use**  
944 - For mounting of automatic transmission gearbox final drive, with P 201.



**Tool Number**  
VW 385/1

**Order Number**  
X

**Description**  
Measuring Bar

**Repair Group**  
39

**Model - Use**  
All - For measuring pinion depth.



**Tool Number**  
VW 385/3

**Order Number**  
X

**Description**  
Centering Discs

**Repair Group**  
39

**Model - Use**  
911/944 - In conjunction with VW 385/1.



**Tool Number**  
VW 351

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
37, 38

**Model - Use**  
944 - For mounting of automatic transmission, in conjunction with P 201.



**Tool Number**  
VW 382/10

**Order Number**  
X

**Description**  
Dial Gauge Extension

**Repair Group**  
39

**Model - Use**  
928 - For measuring backlash.



**Tool Number**  
VW 385/2

**Order Number**  
X

**Description**  
Centering Disc

**Repair Group**  
39

**Model - Use**  
911/944 - In conjunction with VW 385/1.



**Tool Number**  
VW 385/4

**Order Number**  
X

**Description**  
Centering Disc

**Repair Group**  
39

**Model - Use**  
928 - Used in conjunction with VW 385/1.





**Tool Number**

VW 385/13

**Order Number**

X

**Description**

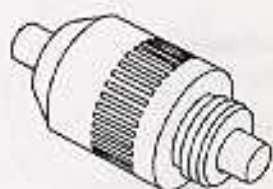
Gauge Plunger, 19mm

**Repair Group**

39

**Model - Use**

944 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/14

**Order Number**

X

**Description**

Gauge Plunger, 30mm

**Repair Group**

39

**Model - Use**

911/928 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/15

**Order Number**

X

**Description**

Extension Pin, 9.3mm

**Repair Group**

39

**Model - Use**

911/944 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/17

**Order Number**

X

**Description**

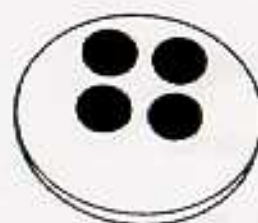
Magnetic Plate

**Repair Group**

39

**Model - Use**

All - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/26

**Order Number**

X

**Description**

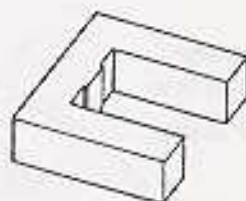
Master Gauge

**Repair Group**

39

**Model - Use**

924 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/27

**Order Number**

X

**Description**

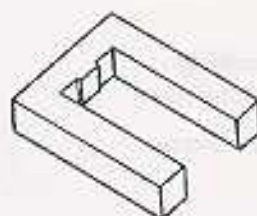
Master Gauge

**Repair Group**

39

**Model - Use**

924 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/28

**Order Number**

X

**Description**

Measurement Surface

**Repair Group**

39

**Model - Use**

944 - Used in conjunction with VW 385/1.

**Tool Number**

VW 385/30

**Order Number**

X

**Description**

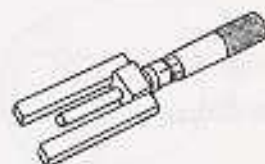
Universal Master Gauge

**Repair Group**

39

**Model - Use**

All - Used in conjunction with VW 385/1.



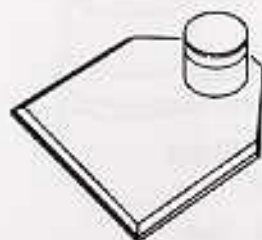
**Tool Number**  
VW 385/33

**Order Number**  
X

**Description**  
Gauge

**Repair Group**  
39

**Model - Use**  
Boxster - Used to measure  
pinion depth.



**Tool Number**  
VW 385/53

**Order Number**  
X

**Description**  
Extension Pin, 14mm

**Repair Group**  
39

**Model - Use**  
911 - Used in conjunction with  
VW 385/1.



**Tool Number**  
VW 385/56

**Order Number**  
X

**Description**  
Extension Pin

**Repair Group**  
39

**Model - Use**  
911 - Used in conjunction with  
VW 385/1.



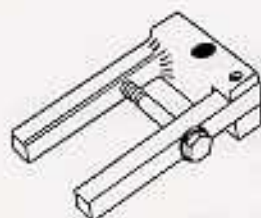
**Tool Number**  
VW 386 a

**Order Number**  
X

**Description**  
Drive Pin Holder

**Repair Group**  
39

**Model - Use**  
944 - For measuring  
backlash.



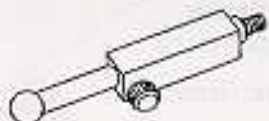
**Tool Number**  
VW 388

**Order Number**  
X

**Description**  
Measuring Lever

**Repair Group**  
39

**Model - Use**  
All - For measuring backlash,  
in conjunction with VW 521/4.



**Tool Number**  
VW 418 a

**Order Number**  
X

**Description**  
Pipe Section

**Repair Group**  
34

**Model - Use**  
911/914 - For pressing in the  
drive shaft seal.



**Tool Number**  
VW 420

**Order Number**  
X

**Description**  
Pipe Section

**Repair Group**  
38

**Model - Use**  
911 - For pressing transmis-  
sion bearing onto shaft.



**Tool Number**  
VW 423

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
944 - For installing the shift  
rod seal.



**Tool Number**  
WV 431

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
944 - For removal of gear wheel, in conjunction with US 1078.



**Tool Number**  
WV 432

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34, 40

**Model - Use**  
356/911/914 - For R & R of bearing from intermediate plate.



**Tool Number**  
WV 433

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
911/914 - For R & R of bushing in the intermediate plate.



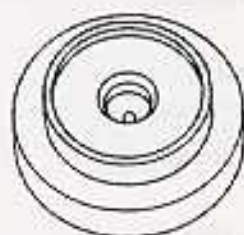
**Tool Number**  
WV 433

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
38, 40

**Model - Use**  
All - Multiple uses.



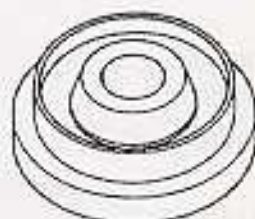
**Tool Number**  
WV 442

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
356/911/914 - For installing bearing race and seal in gear-box housing.



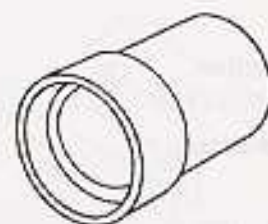
**Tool Number**  
WV 454

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
35

**Model - Use**  
944 - For pressing tapered bearing onto pinion shaft.



**Tool Number**  
WV 470

**Order Number**  
X

**Description**  
Thrust Rings

**Repair Group**  
39

**Model - Use**  
944 - For removal of pinion bearings.



**Tool Number**  
WV 472

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34, 39

**Model - Use**  
944 - For installing pinion bearing race.



**Tool Number**  
VW 473

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34, 39

**Model - Use**  
944 - For removing pinion bearing race.



**Tool Number**  
VW 510

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
39

**Model - Use**  
944 - For installing final drive bearing in conjunction with VW 295.



**Tool Number**  
VW 516

**Order Number**  
X

**Description**  
Pipe

**Repair Group**  
39

**Model - Use**  
944 - For installing drive pinion race and oil seal.



**Tool Number**  
VW 517

**Order Number**  
PNA 721 031

**Description**  
Threaded Spindle

**Repair Group**  
39

**Model - Use**  
911 - For installing front differential bearing races.



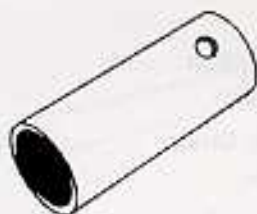
**Tool Number**  
VW 519

**Order Number**  
X

**Description**  
Pipe

**Repair Group**  
35

**Model - Use**  
944 - For installing gears onto pinion shaft.



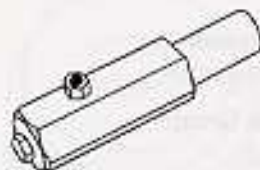
**Tool Number**  
VW 521/4

**Order Number**  
X

**Description**  
Locking Sleeve

**Repair Group**  
39

**Model - Use**  
All - For measuring backlash, in conjunction with VW 387 and VW 388.



**Tool Number**  
VW 521/8

**Order Number**  
X

**Description**  
Adapter Sleeve

**Repair Group**  
39

**Model - Use**  
944 - In conjunction with VW 521/4.



**Tool Number**  
VW 540

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
34

**Model - Use**  
944 - For mounting manual transmission on stand, in conjunction with VW 313.



**Tool Number**

VW 544

**Order Number**

X

**Description**

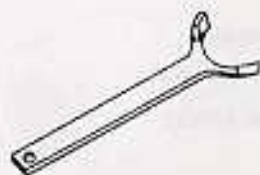
Spanner Wrench

**Repair Group**

39

**Model - Use**

944 - For turning adjusting ring on final drive.

**Tool Number**

VW 545/2

**Order Number**

X

**Description**

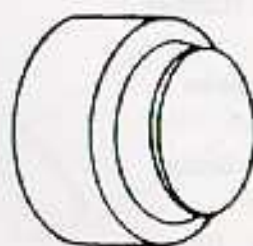
Seal Installer

**Repair Group**

38

**Model - Use**

944 - For installing governor seal, in conjunction with VW 295.

**Tool Number**

VW 551

**Order Number**

X

**Description**

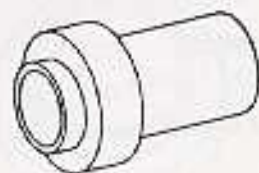
Seal Installer

**Repair Group**

39

**Model - Use**

944 - For installing seal in drive pinion cover.

**Tool Number**

VW 681

**Order Number**

X

**Description**

Extractor Hook

**Repair Group**

34

**Model - Use**

944 - For removing flange shaft seal.

**Tool Number**

VW 771/1

**Order Number**

X

**Description**

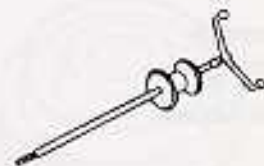
Slide Hammer

**Repair Group**

34, 40

**Model - Use**

All - Multiple uses.

**Tool Number**

VW 771/13

**Order Number**

X

**Description**

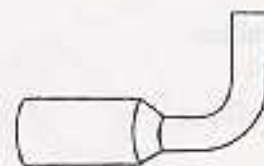
Extension

**Repair Group**

34, 39

**Model - Use**

944 - Used in conjunction with VW 771/1.

**Tool Number**

VW 771/15

**Order Number**

X

**Description**

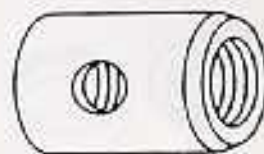
Threaded Piece

**Repair Group**

34, 39

**Model - Use**

All - Used in conjunction with VW 771/1.

**Tool Number**

VW 783

**Order Number**

X

**Description**

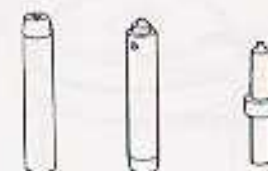
Riveting Tool

**Repair Group**

30

**Model - Use**

914 - For riveting clutch linings to clutch hub.



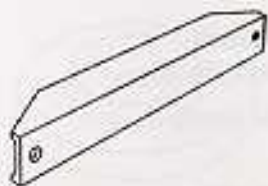
**Tool Number**  
VW 792/1

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
39

**Model - Use**  
Boxster - Bracket Holder.



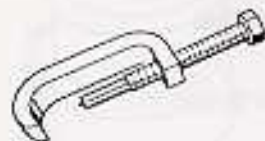
**Tool Number**  
VW 3276

**Order Number**  
PNA 721 036

**Description**  
Pressing Device

**Repair Group**  
34

**Model - Use**  
968 - Used to remove roll pins.



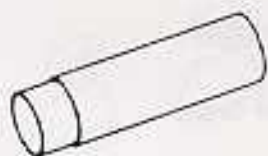
**Tool Number**  
30-11

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
35

**Model - Use**  
All - Multiple uses.



**Tool Number**  
30-21

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
34, 39

**Model - Use**  
944 - For installing input shaft bearing into gear box housing.



3

**Tool Number**  
30-24

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
38

**Model - Use**  
944 - For installing automatic transmission seal.



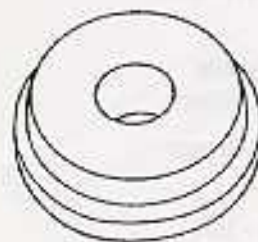
**Tool Number**  
30-205

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
944 - For installing transmission bearing.



**Tool Number**  
32-111

**Order Number**  
X

**Description**  
Pipe

**Repair Group**  
39

**Model - Use**  
944 - For installing pinion bearing.



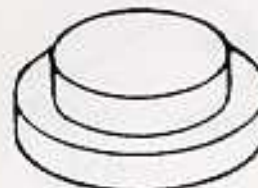
**Tool Number**  
40-105

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
39

**Model - Use**  
All - Multiple Uses.



**Tool Number**  
40-21

**Order Number**  
X

**Description**  
Pipe

**Repair Group**  
39

**Model - Use**  
944 - For installing differential bearings.



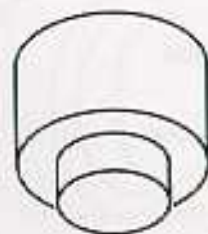
**Tool Number**  
40-202

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
Boxster - Used in conjunction with VW 295 to install bearings.



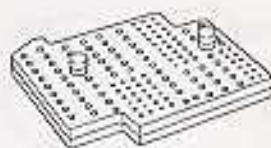
**Tool Number**  
2008

**Order Number**  
X

**Description**  
Tray

**Repair Group**  
38

**Model - Use**  
924 - For cleaning valve body parts.



**Tool Number**  
2008a

**Order Number**  
X

**Description**  
Tray

**Repair Group**  
38

**Model - Use**  
944 - For cleaning valve body parts.



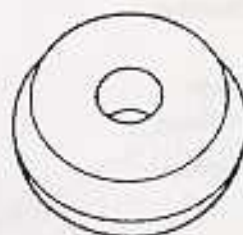
**Tool Number**  
2050

**Order Number**  
X

**Description**  
Pressure Piece

**Repair Group**  
39

**Model - Use**  
944 - For R & R of pinion bearing.



**Tool Number**  
2055

**Order Number**  
X

**Description**  
Protection Sleeve

**Repair Group**  
39

**Model - Use**  
944 - For protecting drive pinion seal during installation.



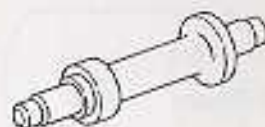
**Tool Number**  
2056

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
39

**Model - Use**  
944 - For installing pinion shaft seal.



**Tool Number**  
2062

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
34

**Model - Use**  
944 - For installing transmission side cover seals.



**Tool Number**

3005

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

Boxster - Used to install bearings in manual transmission.

**Tool Number**

3022

**Order Number**

X

**Description**

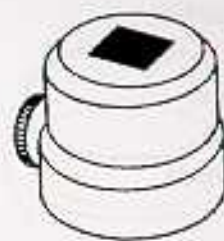
Clamp

**Repair Group**

39

**Model - Use**

944 - For measuring turning torque.

**Tool Number**

3094

**Order Number**

X

**Description**

Hose Clamp

**Repair Group**

30

**Model - Use**

Boxster - Used to cut-off coolant flow when removing tiptronic transmission.

**Tool Number**

3128

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

Boxster - Used to remove bearings in manual transmission.

**Tool Number**

3167

**Order Number**

X

**Description**

Gauge

**Repair Group**

35

**Model - Use**

Boxster - Measuring gauge.

**Tool Number**

3177

**Order Number**

X

**Description**

Retainer

**Repair Group**

39

**Model - Use**

Boxster - Used to hold output shaft.

**Tool Number**

3235

**Order Number**

X

**Description**

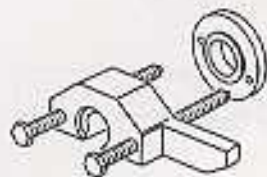
Pressure Piece

**Repair Group**

34

**Model - Use**

Boxster - Used to install main-shaft bearing.

**Tool Number**

3295

**Order Number**

X

**Description**

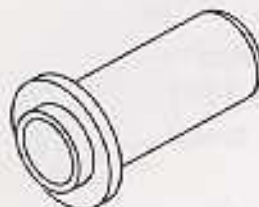
Seal Installer

**Repair Group**

32

**Model - Use**

Boxster - Used to install torque convertor seal.





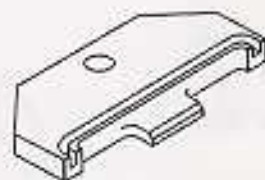
**Tool Number**  
3381

**Order Number**  
X

**Description**  
Gauge

**Repair Group**  
37

**Model - Use**  
Boxster - For fitting of the oil pipe in a Tiptronic transmission.



**Tool Number**  
3382

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
39

**Model - Use**  
Boxster - Used to install drive flange seal.



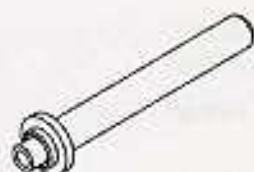
**Tool Number**  
3383

**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
39

**Model - Use**  
Boxster - Used to install final drive seal.



**Tool Number**  
3385

**Order Number**  
X

**Description**  
Sleeve

**Repair Group**  
37

**Model - Use**  
Boxster - Fitting sleeve for Tiptronic selector lever seal.



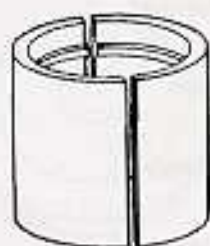
**Tool Number**  
9100

**Order Number**  
000 721 910 00

**Description**  
Sleeve

**Repair Group**  
35

**Model - Use**  
924 - For removing pinion shaft roller bearing.



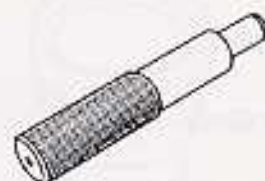
**Tool Number**  
9102

**Order Number**  
000 721 910 20

**Description**  
Alignment Tool

**Repair Group**  
30

**Model - Use**  
911 - For centering clutch disc.



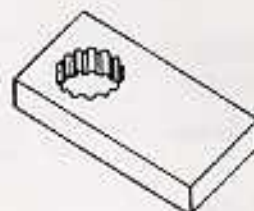
**Tool Number**  
9104

**Order Number**  
000 721 910 40

**Description**  
Holding Fixture

**Repair Group**  
35

**Model - Use**  
911 - For holding input shaft during R & R of hex nut.



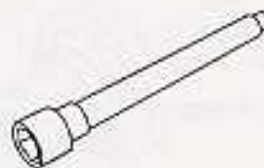
**Tool Number**  
9105

**Order Number**  
000 721 910 50

**Description**  
Socket, 41mm

**Repair Group**  
35

**Model - Use**  
911 - For disassembling input shaft.



**Tool Number**  
9106

**Order Number**  
000 721 910 60

**Description**  
Holding Plate

**Repair Group**  
35

**Model - Use**  
911 - For stabilizing shift rails while adjusting shift forks.



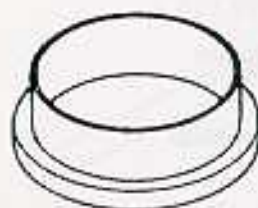
**Tool Number**  
9106/2

**Order Number**  
000 721 910 62

**Description**  
Adapter Sleeve

**Repair Group**  
35

**Model - Use**  
911 - Used in conjunction with 9106.



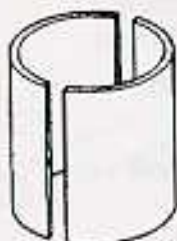
**Tool Number**  
9108

**Order Number**  
000 721 910 80

**Description**  
Sleeve

**Repair Group**  
35

**Model - Use**  
911 - For pressing the pinion shaft pinion bearing.



**Tool Number**  
9109

**Order Number**  
000 721 910 90

**Description**  
Centering Discs

**Repair Group**  
39

**Model - Use**  
911 - Used in conjunction with VW 385.



3

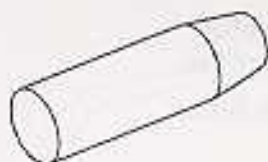
**Tool Number**  
9113

**Order Number**  
000 721 911 30

**Description**  
Protection Sleeve

**Repair Group**  
34

**Model - Use**  
924 - For protecting input shaft seal during installation.



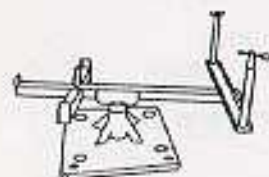
**Tool Number**  
9115

**Order Number**  
X

**Description**  
Support Plate

**Repair Group**  
34

**Model - Use**  
944 - For R & R of transmission.



**Tool Number**  
9119

**Order Number**  
000 721 911 90

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
924 - For installing input shaft seal.



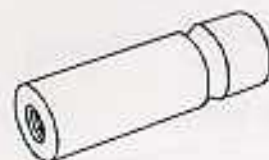
**Tool Number**  
9140

**Order Number**  
000 721 914 00

**Description**  
Extractor

**Repair Group**  
34

**Model - Use**  
928 - Used in conjunction with 9148.



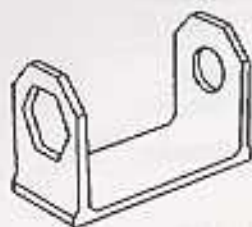
**Tool Number**  
9142

**Order Number**  
000 721 914 20

**Description**  
Holder

**Repair Group**  
35

**Model - Use**  
911/928 - For holding transmission shaft.



**Tool Number**  
9142/1

**Order Number**  
000 721 914 21

**Description**  
Half Shells

**Repair Group**  
39

**Model - Use**  
911 - Used in conjunction with 9142.



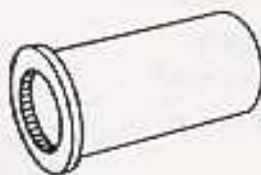
**Tool Number**  
9143

**Order Number**  
000 721 914 30

**Description**  
Socket

**Repair Group**  
35

**Model - Use**  
928 - For loosening and tightening of transmission shaft, in conjunction with 9142.



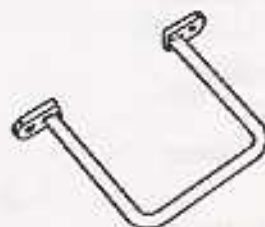
**Tool Number**  
9144

**Order Number**  
000 721 914 40

**Description**  
Holder

**Repair Group**  
34, 39

**Model - Use**  
928 - For R & R of drive pinion.



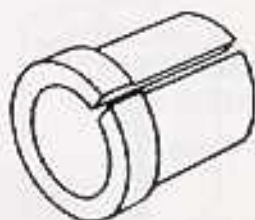
**Tool Number**  
9145

**Order Number**  
000 721 914 50

**Description**  
Sleeve

**Repair Group**  
39

**Model - Use**  
911/928 - Used in conjunction with VW 521/4.



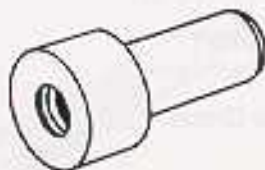
**Tool Number**  
9146

**Order Number**  
000 721 914 60

**Description**  
Pressure Pad

**Repair Group**  
34

**Model - Use**  
928 - For pressing in selector fork seal in conjunction with P 254.



**Tool Number**  
9147

**Order Number**  
000 721 914 70

**Description**  
Seal Installer

**Repair Group**  
39

**Model - Use**  
928 - For installing transmission case cover seal, in conjunction with P 254.



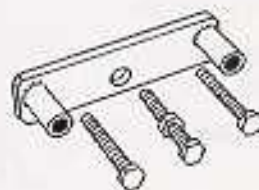
**Tool Number**  
9148

**Order Number**  
000 721 914 80

**Description**  
Puller

**Repair Group**  
34, 39

**Model - Use**  
928 - For pulling out transmission input shaft, in conjunction with 9140.



**Tool Number**

9149

**Order Number**

000 721 914 90

**Description**

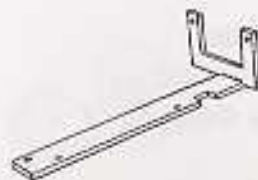
Holder

**Repair Group**

34

**Model - Use**

928 - For holding transmission on engine stand, in conjunction with P.201.

**Tool Number**

9150

**Order Number**

000 721 915 00

**Description**

Dial Gauge Extension, 20mm

**Repair Group**

39

**Model - Use**

928 - Measurement of differential, in conjunction with VW 385.

**Tool Number**

9153

**Order Number**

000 721 915 30

**Description**

Mandrel

**Repair Group**

30

**Model - Use**

911 - For installing needle bearings in clutch release lever.

**Tool Number**

9155

**Order Number**

000 721 915 50

**Description**

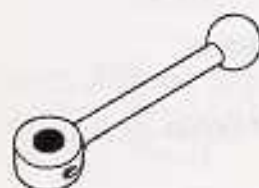
Shift Lever

**Repair Group**

34

**Model - Use**

928/944 - For shifting gears on a removed transmission.

**Tool Number**

9155/1

**Order Number**

000 721 915 51

**Description**

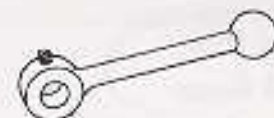
Shift Lever

**Repair Group**

34

**Model - Use**

924 - For shifting gears on a removed transmission.

**Tool Number**

9162

**Order Number**

000 721 916 20

**Description**

Transmission Holder

**Repair Group**

37

**Model - Use**

928 - For mounting a 3-speed automatic transmission on the engine stand.

**Tool Number**

9163

**Order Number**

X

**Description**

Transmission Holder

**Repair Group**

34, 37

**Model - Use**

928 - For R &amp; R of transmission.

**Tool Number**

9163/1

**Order Number**

000 721 916 31

**Description**

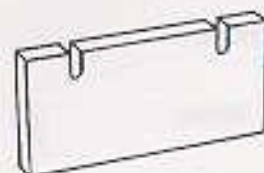
Holder

**Repair Group**

34

**Model - Use**

928 - For R &amp; R of manual transmission in conjunction with 9163.



**Tool Number**

9164

**Order Number**

000 721 916 40

**Description**

Chain

**Repair Group**

34, 37

**Model - Use**

928 - For holding transmission when removing rear axle.

**Tool Number**

9167

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

911 - For installing the clutch release lever bearing in transmission case.

**Tool Number**

9168

**Order Number**

000 721 916 80

**Description**

Dial Gauge Extension, 25mm

**Repair Group**

39

**Model - Use**

Used in conjunction with VW385/1.

**Tool Number**

9170

**Order Number**

000 721 917 00

**Description**

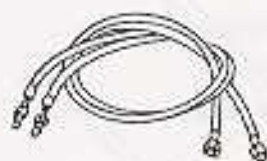
Extension Hoses

**Repair Group**

38

**Model - Use**

928 - For checking transmission shift pressure, in conjunction with gauges.

**Tool Number**

9173

**Order Number**

000 721 917 30

**Description**

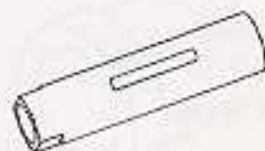
Pipe

**Repair Group**

39

**Model - Use**

924 - For pinion adjustment.

**Tool Number**

9177

**Order Number**

000 721 917 70

**Description**

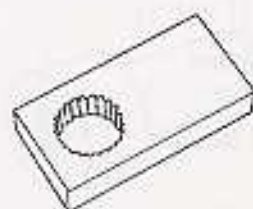
Holding Plate

**Repair Group**

35

**Model - Use**

911 - For holding drive shaft during R &amp; R of collar nut.

**Tool Number**

9178

**Order Number**

000 721 917 80

**Description**

Sleeve

**Repair Group**

34

**Model - Use**

944 - For protecting input shaft seal.

**Tool Number**

9180

**Order Number**

000 721 918 00

**Description**

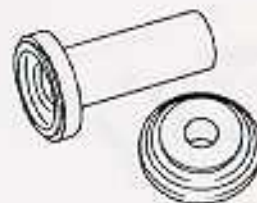
Seal Installer

**Repair Group**

39

**Model - Use**

928 - To install the 3-speed transmission rear housing seal.



**Tool Number**  
9180/1  
**Order Number**  
000 721 918 01

**Description**  
Seal Installer

**Repair Group**  
37

**Model - Use**  
928 - For installing rear transmission housing seal.

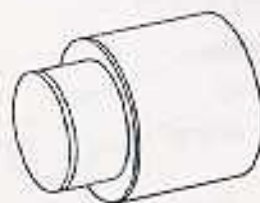


**Tool Number**  
9184  
**Order Number**  
X

**Description**  
Seal Installer

**Repair Group**  
34

**Model - Use**  
924 - For installing drive shaft seal ring.



**Tool Number**  
9195  
**Order Number**  
000 721 919 60

**Description**  
Gauge Plunger

**Repair Group**  
39

**Model - Use**  
All - For measuring backlash in conjunction with VW 388.

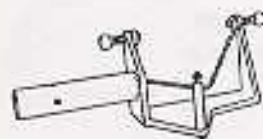


**Tool Number**  
9216  
**Order Number**  
000 721 921 60

**Description**  
Holder

**Repair Group**  
37

**Model - Use**  
928 - For holding automatic transmission on engine stand.



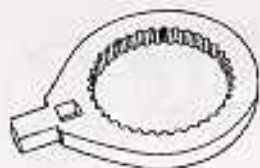
3

**Tool Number**  
9218  
**Order Number**  
000 721 921 80

**Description**  
Wrench

**Repair Group**  
39

**Model - Use**  
928 - For R & R of pinion nut in conjunction with 9219.

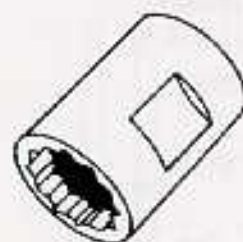


**Tool Number**  
9219  
**Order Number**  
000 721 921 90

**Description**  
Socket

**Repair Group**  
35

**Model - Use**  
928 - For R & R of pinion nut in conjunction with 9218.



**Tool Number**  
9223  
**Order Number**  
000 721 922 30

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
928 - For installing shift rod guide bushing and seal installation.



**Tool Number**  
9238  
**Order Number**  
000 721 923 80

**Description**  
Pipe

**Repair Group**  
39

**Model - Use**  
928 - Used for adjusting pinion.



**Tool Number**

9247

**Order Number**

000 721 924 70

**Description**

Driver Set

**Repair Group**

34

**Model - Use**

944 - For R &amp; R of transmission housing bearings.

**Tool Number**

9251

**Order Number**

000 721 925 10

**Description**

Seal Remover

**Repair Group**

34

**Model - Use**

911 - For removing transmission input shaft seal.

**Tool Number**

9253

**Order Number**

000 721 925 30

**Description**

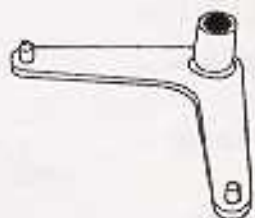
Holder

**Repair Group**

34

**Model - Use**

911 - For holding transmission input shaft.

**Tool Number**

9255

**Order Number**

000 721 925 50

**Description**

Sleeve

**Repair Group**

34

**Model - Use**

911 - For protecting transmission input shaft seal, in conjunction with 9256.

**Tool Number**

9250

**Order Number**

000 721 925 00

**Description**

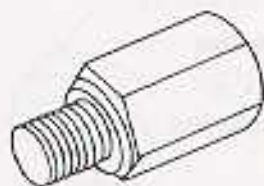
Adapter

**Repair Group**

37

**Model - Use**

944 - For automatic transmission pressure measurement, in conjunction with gauges.

**Tool Number**

9252

**Order Number**

000 721 925 20

**Description**

Seal Installer

**Repair Group**

34, 39

**Model - Use**

911 - For installing transmission output flange seals.

**Tool Number**

9254

**Order Number**

000 721 925 40

**Description**

Mandrel

**Repair Group**

34

**Model - Use**

911 - For installing transmission bearing sleeves.

**Tool Number**

9256

**Order Number**

000 721 925 60

**Description**

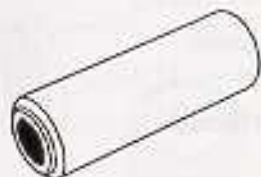
Mandrel

**Repair Group**

34

**Model - Use**

911 - For installing transmission input shaft seal, in conjunction with 9255.



**Tool Number**

9260

**Order Number**

000 721 926 00

**Description**

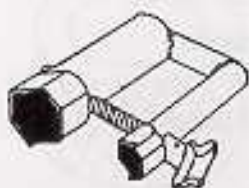
Holder

**Repair Group**

39

**Model - Use**

911 - For measuring ring and pinion backlash.

**Tool Number**

9263

**Order Number**

000 721 926 30

**Description**

Pipe

**Repair Group**

39

**Model - Use**

911 - For measuring pinion.

**Tool Number**

9275

**Order Number**

000 721 927 50

**Description**

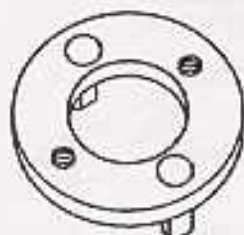
Holder

**Repair Group**

34

**Model - Use**

911 - For holding interaxle coupling.

**Tool Number**

9276

**Order Number**

000 721 927 60

**Description**

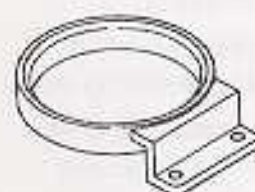
Holding Ring

**Repair Group**

34

**Model - Use**

911 - For removal of collar nut on drive shaft.

**Tool Number**

9277

**Order Number**

000 721 927 70

**Description**

Socket

**Repair Group**

34

**Model - Use**

911 - For assembly of manual gear box.

**Tool Number**

9278

**Order Number**

000 721 927 80

**Description**

Extractor Arms

**Repair Group**

34

**Model - Use**

911 - For removal of Transmission bearing races and interaxle hub, with US 1078.

**Tool Number**

9279

**Order Number**

000 721 927 90

**Description**

Spacer Sleeve

**Repair Group**

35

**Model - Use**

911 - For press fitting gears in the manual transmission.

**Tool Number**

9280

**Order Number**

000 721 928 00

**Description**

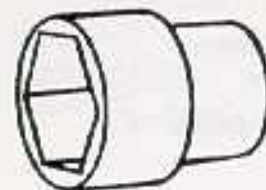
Socket

**Repair Group**

34

**Model - Use**

911 - For R &amp; R of interaxle coupling, in conjunction with 9275.





**Tool Number**

9281

**Order Number**

000 721 928 10

**Description**

Adjusting Disc

**Repair Group**

39

**Model - Use**

911 - For measurement of pinion, in conjunction with VW 385.

**Tool Number**

9282

**Order Number**

000 721 928 20

**Description**

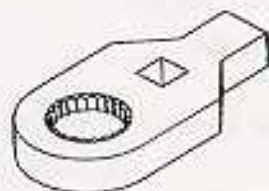
Wrench

**Repair Group**

35

**Model - Use**

911 - For R &amp; R of pinion nut.

**Tool Number**

9283

**Order Number**

000 721 928 30

**Description**

Assembly Sleeve

**Repair Group**

34, 39

**Model - Use**

911 - Used to adjust shift sleeve and backlash.

**Tool Number**

9284

**Order Number**

000 721 928 40

**Description**

Puller

**Repair Group**

34

**Model - Use**

911 - For removing transmission gears.

**Tool Number**

9286

**Order Number**

000 721 928 60

**Description**

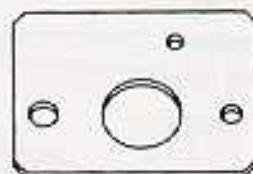
Holder

**Repair Group**

34

**Model - Use**

911 - For mounting of transmission shafts and shift rails, with FAG bearings.

**Tool Number**

9286/1

**Order Number**

000 721 928 61

**Description**

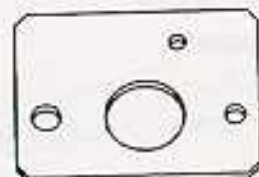
Holder

**Repair Group**

34

**Model - Use**

911 - For mounting of transmission shafts and shift rails, with SKF bearings.

**Tool Number**

9289

**Order Number**

000 721 928 90

**Description**

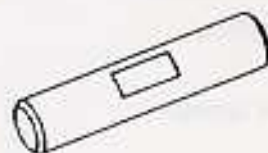
Mandrel

**Repair Group**

39

**Model - Use**

911 - For assembly of differential side gears and bearings.

**Tool Number**

9292

**Order Number**

X

**Description**

Reamer

**Repair Group**

30

**Model - Use**

911 - For updating clutch release lever bearings.



**Tool Number**  
9294

**Order Number**  
000 721 929 40

**Description**  
Centering Piece

**Repair Group**  
34

**Model - Use**  
911 - For removing interaxle  
hub and bearing race.



**Tool Number**  
9298

**Order Number**  
000 721 929 80

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
911 - For installing transmis-  
sion housing bearings.



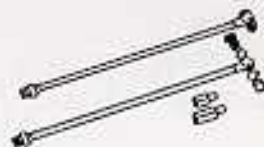
**Tool Number**  
9300/1

**Order Number**  
000 721 930 01

**Description**  
Connection Lines

**Repair Group**  
38

**Model - Use**  
928 - For testing transmission  
pressures in conjunction with  
gauges.



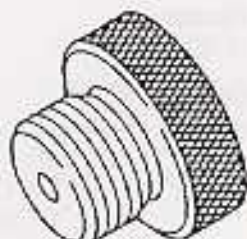
**Tool Number**  
9303

**Order Number**  
000 721 930 30

**Description**  
Gauge

**Repair Group**  
37

**Model - Use**  
928 - For determining pin  
length of pressure modulator.



**Tool Number**  
9296

**Order Number**  
000 721 929 60

**Description**  
Holding Plate

**Repair Group**  
39

**Model - Use**  
911 - For holding the front  
axle differential.



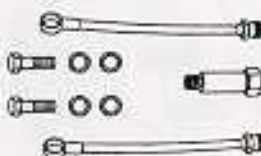
**Tool Number**  
9300

**Order Number**  
000 721 930 00

**Description**  
Connection Lines

**Repair Group**  
38

**Model - Use**  
928 - For checking shift pres-  
sures in conjunction with  
gauges.



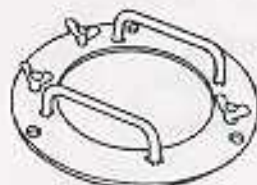
**Tool Number**  
9301

**Order Number**  
000 721 930 10

**Description**  
Holder

**Repair Group**  
32

**Model - Use**  
928 - For removal and installa-  
tion of torque converter.



**Tool Number**  
9304

**Order Number**  
000 721 930 40

**Description**  
Mounting Device

**Repair Group**  
37

**Model - Use**  
928 - For R & R of brake  
band piston in the A22 trans-  
mission.



**Tool Number**

9305

**Order Number**

000 721 930 50

**Description**

Assembly Valve

**Repair Group**

37

**Model - Use**

928 - For installing the brake band piston in a A22 transmission.

**Tool Number**

9307

**Order Number**

Use 9314

**Description**

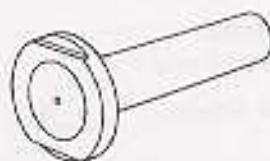
Mandrel

**Repair Group**

38

**Model - Use**

928 - For securing the gear set during assembly and disassembly of A22 trans.

**Tool Number**

9308

**Order Number**

000 721 930 80

**Description**

Assembly Sleeve

**Repair Group**

38

**Model - Use**

928 - For assembly of the clutch in a A22 transmission.

**Tool Number**

9309

**Order Number**

000 721 930 90

**Description**

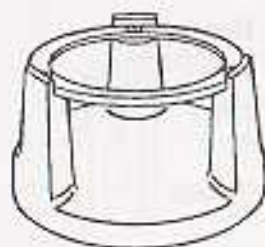
Mounting Device

**Repair Group**

38

**Model - Use**

928 - For assembly and disassembly of the clutch piston in a A22 transmission.

**Tool Number**

9310

**Order Number**

000 721 931 00

**Description**

Rinsing Adapter

**Repair Group**

32

**Model - Use**

928 - For rinsing of torque converter in conjunction with a suitable drive unit.

**Tool Number**

9312

**Order Number**

000 721 931 20

**Description**

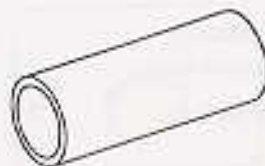
Pipe

**Repair Group**

37

**Model - Use**

928 - Used when assembling the final drive unit.

**Tool Number**

9313

**Order Number**

000 721 931 30

**Description**

Gauge

**Repair Group**

38

**Model - Use**

928 - For measuring the gear set on a A28 transmission.

**Tool Number**

9314

**Order Number**

000 721 931 40

**Description**

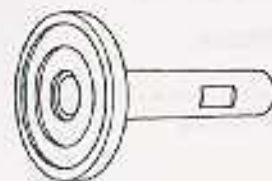
Mandrel

**Repair Group**

38

**Model - Use**

928 - For securing the gear set during assembly of a A28 transmission.



**Tool Number**

9315

**Order Number**

000 721 931 50

**Description**

Mounting Device

**Repair Group**

38

**Model - Use**

928 - For assembly operations on K1 and K2 of a A28 transmission.

**Tool Number**

9317

**Order Number**

000 721 931 70

**Description**

Assembly Sleeve

**Repair Group**

38

**Model - Use**

928 - For installing the coupling for K1 and K2 in a A28 transmission.

**Tool Number**

9319

**Order Number**

000 721 931 90

**Description**

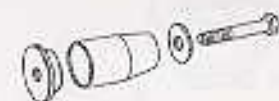
Assembly Sleeve

**Repair Group**

37

**Model - Use**

928 - For installing the primary pump in a A28 transmission.

**Tool Number**

9321

**Order Number**

000 721 932 10

**Description**

Alignment Pins

**Repair Group**

39

**Model - Use**

928 - For alignment of the pinion assembly to the transmission housing.

**Tool Number**

9316

**Order Number**

000 721 931 60

**Description**

Mounting Device

**Repair Group**

37

**Model - Use**

928 - For R &amp; R of the brake band piston in a A28 transmission.

**Tool Number**

9318

**Order Number**

000 721 931 80

**Description**

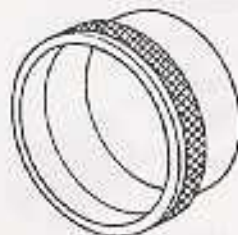
Assembly Sleeve

**Repair Group**

38

**Model - Use**

928 - For assembly of K1 in a A28 transmission.

**Tool Number**

9320

**Order Number**

000 721 932 00

**Description**

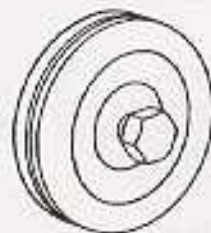
Gauge

**Repair Group**

37

**Model - Use**

928 - For measuring the free play at B1 in a A28 transmission.

**Tool Number**

9322

**Order Number**

000 721 932 20

**Description**

Lock Tabs

**Repair Group**

38

**Model - Use**

928 - For securing rollers on sprag clutch of the A28 transmission.



**Tool Number**

9323

**Order Number**

000 721 932 30

**Description**

Dial Gauge Extension

**Repair Group**

39

**Model - Use**

928 - For measuring pinion depth in conjunction with VW 385.

**Tool Number**

9324

**Order Number**

000 721 932 40

**Description**

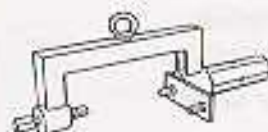
Transmission Support

**Repair Group**

37

**Model - Use**

911 - Used for mounting a Tiptronic transmission to a engine stand.

**Tool Number**

9325

**Order Number**

000 721 932 50

**Description**

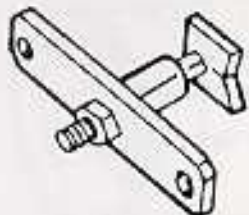
Holding Device

**Repair Group**

32

**Model - Use**

911 - Used to hold torque converter to a Tiptronic transmission.

**Tool Number**

9326

**Order Number**

000 721 932 60

**Description**

Switch Adjustment Gauge

**Repair Group**

37

**Model - Use**

911 - Used to adjust the multi-function switch.

**Tool Number**

9327

**Order Number**

X

**Description**

Removing Handle

**Repair Group**

37

**Model - Use**

911 - Used to remove sealing sleeve.

**Tool Number**

9328

**Order Number**

000 721 932 80

**Description**

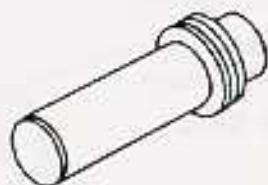
Seal Installer

**Repair Group**

38

**Model - Use**

911 - For installing seal in Tiptronic transmission.

**Tool Number**

9329

**Order Number**

000 721 932 90

**Description**

Assembly Sleeve

**Repair Group**

38

**Model - Use**

911 - Used to install the ATF pump in a Tiptronic transmission.

**Tool Number**

9330

**Order Number**

000 721 933 00

**Description**

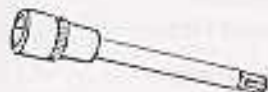
Torx Socket

**Repair Group**

38

**Model - Use**

911 - Used to install the Tiptronic drive seal housing.



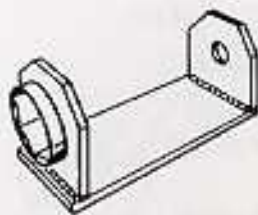
**Tool Number**  
9337

**Order Number**  
000 721 933 70

**Description**  
Locking Device

**Repair Group**  
39

**Model - Use**  
911 - For R & R of the collar nut on a Tiptronic transmission pinion shaft.



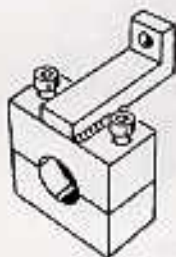
**Tool Number**  
9339

**Order Number**  
000 721 933 90

**Description**  
Locking Device

**Repair Group**  
39

**Model - Use**  
911 - Used to hold the drive pinion when checking backlash on a Tiptronic.



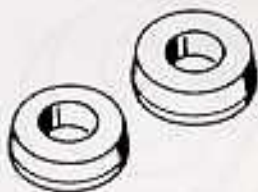
**Tool Number**  
9341

**Order Number**  
000 721 934 10

**Description**  
Centering Sleeves

**Repair Group**  
39

**Model - Use**  
911 - Used to check pinion depth on a Tiptronic, in conjunction with VW 385.



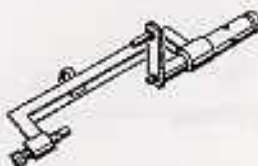
**Tool Number**  
9343

**Order Number**  
000 721 934 30

**Description**  
Holding Fixture

**Repair Group**  
30

**Model - Use**  
968 - Used to mount the Tiptronic transmission on a engine stand.



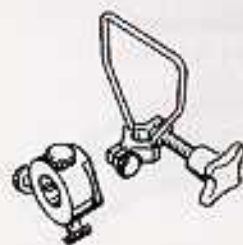
**Tool Number**  
9338

**Order Number**  
000 721 933 80

**Description**  
Measuring Device

**Repair Group**  
31

**Model - Use**  
911 - Used to measure axial play in a Tiptronic transmission.



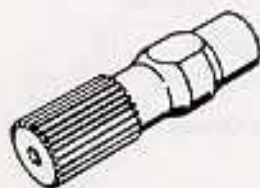
**Tool Number**  
9340

**Order Number**  
000 721 934 00

**Description**  
Retaining Device

**Repair Group**  
34

**Model - Use**  
911 - Used to R & R intermediate plate in a Tiptronic transmission.



**Tool Number**  
9342

**Order Number**  
000 721 934 20

**Description**  
Adjusting Tool

**Repair Group**  
34

**Model - Use**  
968 - Used to adjust Tiptronic switch.



**Tool Number**  
9344

**Order Number**  
000 721 934 40

**Description**  
Seal Installer

**Repair Group**  
30

**Model - Use**  
968 - Used to install torque converter seal.



**Tool Number**

9345

**Order Number**

000 721 934 50

**Description**

Seal Installer

**Repair Group**

35

**Model - Use**

968 - Used to install driveshaft seal.

**Tool Number**

9346

**Order Number**

000 721 934 60

**Description**

Seal Installer

**Repair Group**

30

**Model - Use**

968 - Used to install the right axle shaft seal on a Tiptronic transmission.

**Tool Number**

9347

**Order Number**

000 721 934 70

**Description**

Seal Installer

**Repair Group**

30

**Model - Use**

968 - Used to install the left axle shaft seal on a Tiptronic transmission.

**Tool Number**

9348

**Order Number**

000 721 934 80

**Description**

Seal Installer

**Repair Group**

35

**Model - Use**

968 - Used to install drive shaft seal.

**Tool Number**

9349

**Order Number**

000 721 934 90

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

968 - Used to fit tab washer.

**Tool Number**

9350

**Order Number**

000 721 935 00

**Description**

Seal Installer

**Repair Group**

34

**Model - Use**

968 - Used to install intermediate shaft seal.

**Tool Number**

9351

**Order Number**

000 721 935 10

**Description**

Removal Tool

**Repair Group**

34

**Model - Use**

968 - Used to remove spacer.

**Tool Number**

9352

**Order Number**

000 721 935 20

**Description**

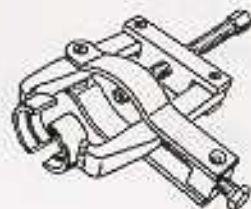
Oil Pump Puller

**Repair Group**

31

**Model - Use**

968 - For removing a Tiptronic ATF oil pump.



**Tool Number**

9353

**Order Number**

000 721 935 30

**Description**

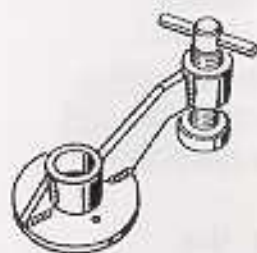
Assembly Device

**Repair Group**

34

**Model - Use**

968 - For R &amp; R of the brake band piston on a Tiptronic transmission.

**Tool Number**

9355, 9355/1

**Order Number**

000 721 935 50 &amp; 51

**Description**

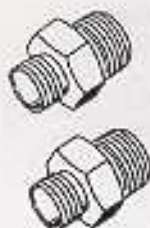
Couplers

**Repair Group**

38

**Model - Use**

968 - Used to flush the Tiptronic oil cooler.

**Tool Number**

9502

**Order Number**

000 721 950 20

**Description**

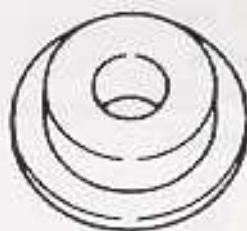
Pressure Piece

**Repair Group**

39

**Model - Use**

911 - Used to install front differential bearings.

**Tool Number**

9504

**Order Number**

000 721 950 40

**Description**

Removal Tool

**Repair Group**

39

**Model - Use**

911 - For removing front pinion shaft.

**Tool Number**

9354

**Order Number**

000 721 935 40

**Description**

Assembly Guide

**Repair Group**

34

**Model - Use**

968 - To guide the ATF oil pump during assembly.

**Tool Number**

9356

**Order Number**

000 721 935 60

**Description**

Dial Gauge Holder

**Repair Group**

31

**Model - Use**

968 - Used to hold a dial indicator while checking axial play on a Tiptronic.

**Tool Number**

9503

**Order Number**

000 721 950 30

**Description**

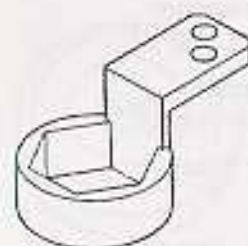
Holding Ring

**Repair Group**

39

**Model - Use**

911 - For holding front differential.

**Tool Number**

9505

**Order Number**

000 721 950 50

**Description**

Socket

**Repair Group**

39

**Model - Use**

911 - For removing front differential nut.





**Tool Number**

9506

**Order Number**

000 721 950 60

**Description**

Retaining Plate

**Repair Group**

39

**Model - Use**

911 - Used to hold front differential pinion.

**Tool Number**

9508/1

**Order Number**

000 721 950 81

**Description**

Calibrated Weight

**Repair Group**

39

**Model - Use**

911 - Used to set the PDAS differential.

**Tool Number**

9509

**Order Number**

000 721 950 90

**Description**

Pressure Gauge

**Repair Group**

39, 45

**Model - Use**

All - Used to measure hydraulic pressure in conjunction with various adapters.

**Tool Number**

9509/1

**Order Number**

000 721 950 91

**Description**

Pressure Hose

**Repair Group**

39, 45

**Model - Use**

911/928 - Used in conjunction with 9509.

**Tool Number**

9509/2

**Order Number**

000 721 950 92

**Description**

Pressure Hose

**Repair Group**

39, 45

**Model - Use**

911/928 - Used in conjunction with 9509.

**Tool Number**

9509/3

**Order Number**

000 721 950 93

**Description**

Connection Piece

**Repair Group**

39, 45

**Model - Use**

911 - Used in conjunction with 9509.

**Tool Number**

9509/4

**Order Number**

000 721 950 94

**Description**

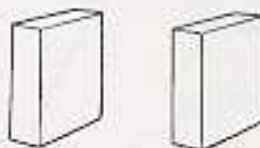
Retaining Blocks

**Repair Group**

39

**Model - Use**

911 - Used in conjunction with 9509.

**Tool Number**

9510

**Order Number**

000 721 951 00

**Description**

Torque Adapter

**Repair Group**

39

**Model - Use**

911 - Used to check slip torque on PDAS.



**Tool Number**  
9510/1

**Order Number**  
000 721 951 01

**Description**  
Torque Adapter

**Repair Group**  
39

**Model - Use**  
911/928 - Used to check  
PDAS and PSD systems.



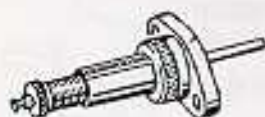
**Tool Number**  
9514

**Order Number**  
000 721 951 40

**Description**  
Measuring Gauge

**Repair Group**  
39

**Model - Use**  
911/928 - Used for setting  
clutch packs for the PSD and  
PDAS differentials.



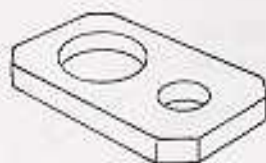
**Tool Number**  
9514/1

**Order Number**  
000 721 951 41

**Description**  
Holding Plate

**Repair Group**  
35

**Model - Use**  
911 - Used in conjunction with  
9514 to set-up longitudinal  
lock.



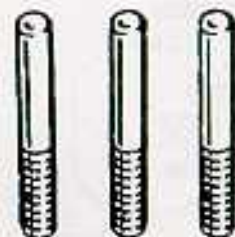
**Tool Number**  
9520

**Order Number**  
000 721 952 00

**Description**  
Centering Pins

**Repair Group**  
30

**Model - Use**  
911 - For R & R of dual mass  
flywheel.



3

**Tool Number**  
9521

**Order Number**  
000 721 952 10

**Description**  
Mandrel

**Repair Group**  
30

**Model - Use**  
911 - For installing end caps  
in the dual mass flywheel.



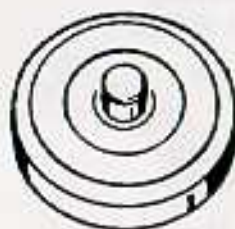
**Tool Number**  
9522

**Order Number**  
000 721 952 20

**Description**  
Pressure Piece

**Repair Group**  
30

**Model - Use**  
911 - For installing pilot  
bearing.



**Tool Number**  
9532

**Order Number**  
000 721 953 20

**Description**  
Mandrel

**Repair Group**  
34

**Model - Use**  
968 - Used to remove  
adapter sleeve.



**Tool Number**  
9533

**Order Number**  
000 721 953 30

**Description**  
Pressure Piece

**Repair Group**  
34

**Model - Use**  
968 - Used to remove bearing  
race.



**Tool Number**

9534

**Order Number**

000 721 953 40

**Description**

Seal Installer

**Repair Group**

34

**Model - Use**

968 - Used to install axle shaft seals.

**Tool Number**

9535

**Order Number**

000 721 953 50

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

968 - Used to remove 4 point bearing.

**Tool Number**

9536

**Order Number**

000 721 953 60

**Description**

Pressure Piece

**Repair Group**

34

**Model - Use**

968 - Used with 9284 to remove bearing.

**Tool Number**

9537

**Order Number**

000 721 953 70

**Description**

Seal Installer

**Repair Group**

39

**Model - Use**

911 - Used to install the front differential axle seals.

**Tool Number**

9542

**Order Number**

000 721 954 20

**Description**

Mandrel

**Repair Group**

37

**Model - Use**

911 - Used to R &amp; R the Tip-tronic gear selector system with keylock and shift lock.

**Tool Number**

9545

**Order Number**

000 721 954 50

**Description**

Seal Installer

**Repair Group**

39

**Model - Use**

911 - Used to install the front differential pinion seal.

**Tool Number**

9547

**Order Number**

000 721 954 70

**Description**

Circlip Installer

**Repair Group**

34

**Model - Use**

911 - Used to install the viscous clutch circlip.

**Tool Number**

9562

**Order Number**

000 721 956 20

**Description**

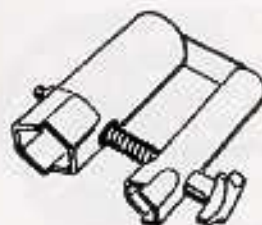
Holding Tool

**Repair Group**

35

**Model - Use**

911 - Used to lock mainshaft.

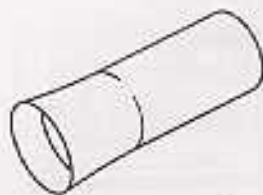


**Tool Number**  
9575

**Order Number**  
000 721 957 50

**Description**  
Ring Installer

**Repair Group**  
39



**Model - Use**  
911 - Used to install rings on the intermediate housing of the viscous clutch.

**Tool Number**  
9595

**Order Number**  
000 721 959 50

**Description**  
Locating Pin

**Repair Group**  
32



**Model - Use**  
911/Boxster - For R & R of torque converter.

**Tool Number**  
9615

**Order Number**  
000 721 961 50

**Description**  
Seal Installer

**Repair Group**  
39



**Model - Use**  
Boxster - Used to install the drive flange seals on a Tiptronic transmission.

**Tool Number**  
9622

**Order Number**  
000 721 962 20

**Description**  
Installation Tool

**Repair Group**  
30, 48



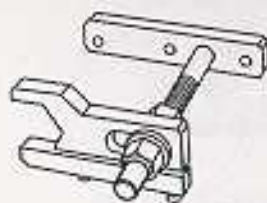
**Model - Use**  
911/Boxster - Used to install hydraulic line on clutch assembly.

**Tool Number**  
9577

**Order Number**  
000 721 957 70

**Description**  
Holder

**Repair Group**  
39



**Model - Use**  
911 - To hold the driveshaft when measuring the face backlash of the differential.

**Tool Number**  
9596

**Order Number**  
000 721 959 60

**Description**  
Holding Fixture

**Repair Group**  
32



**Model - Use**  
911/Boxster - For R & R of torque converter bolts with engine installed.

**Tool Number**  
9619

**Order Number**  
000 721 961 90

**Description**  
Adjustment Tool

**Repair Group**  
34



**Model - Use**  
911/Boxster - Used to adjust the shift cable when the cable is removed.

**Tool Number**  
9623

**Order Number**  
000 721 962 30

**Description**  
Assembly Aid, Testing Tool

**Repair Group**  
30, 48



**Model - Use**  
911/Boxster - Used to check if the pressure & return line couplings are seated ok.

**Tool Number**

9624/1

**Order Number**

000 721 962 41

**Description**

Engine Support

**Repair Group**

34

**Model - Use**

911 - Used to support engine.

**Tool Number**

9628

**Order Number**

000 721 962 80

**Description**

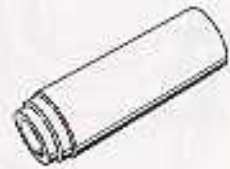
Seal Installer

**Repair Group**

35

**Model - Use**

911 - Used to install transmission seal.

**Tool Number**

9629

**Order Number**

000 721 962 90

**Description**

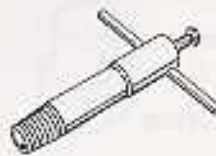
Seal Remover

**Repair Group**

35

**Model - Use**

911 - Used to remove transmission seal.

**Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number****Order Number****Description****Repair Group****Model - Use**

**Tool Number**  
PNA 721 005

**Order Number**  
PNA 721 005

**Description**  
ABS II System Tester

**Repair Group**  
45



**Model - Use**  
911 - Used to check the ABS  
brake system.

**Tool Number**  
PNA 721 028

**Order Number**  
PNA 721 028

**Description**  
ABS 55 Pin Coupler

**Repair Group**  
45



**Model - Use**  
911/928 - Used to check  
ABS system and sensors.

**Tool Number**  
P 30

**Order Number**  
X

**Description**  
Puller

**Repair Group**  
46



**Model - Use**  
356 - For removal of brake  
drums.

**Tool Number**  
P 30 a

**Order Number**  
X

**Description**  
Puller

**Repair Group**  
46

**Model - Use**  
356/911/912/914 - For re-  
moving brake drums and  
brake discs.



**Tool Number**  
P 36

**Order Number**  
X

**Description**  
Wrench Guide

**Repair Group**  
42



**Model - Use**  
356 - Used to hold the  
wrench when removing the  
rear axle nuts.

**Tool Number**  
P 36 a

**Order Number**  
X

**Description**  
Holder

**Repair Group**  
42

**Model - Use**  
356 - For R & R of rear axle  
nuts on vehicles with knock  
off wheels



**Tool Number**  
P 38

**Order Number**  
X

**Description**  
Centering Bar

**Repair Group**  
46



**Model - Use**  
356 - For holding brake  
drums when machining.

**Tool Number**  
P 44 a

**Order Number**  
X

**Description**  
Socket Extension

**Repair Group**  
42

**Model - Use**  
356/911 - For R & R of rear  
axle nuts.



**Tool Number**

P 47

**Order Number**

X

**Description**

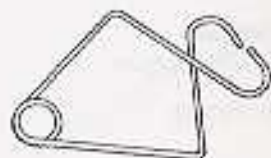
Piston Clamp

**Repair Group**

46

**Model - Use**

356 - For holding pistons of brake cylinder during repairs.

**Tool Number**

P 48

**Order Number**

X

**Description**

Rivet Tool

**Repair Group**

47

**Model - Use**

356 - For installing brake lining rivets.

**Tool Number**

P 53

**Order Number**

X

**Description**

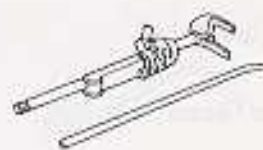
Radius Arm Jack

**Repair Group**

42

**Model - Use**

356 - For raising and holding the radius arm during R &amp; R of shock absorbers.

**Tool Number**

P 54

**Order Number**

X

**Description**

Puller

**Repair Group**

40

**Model - Use**

356 - For removing the needle bearing bushings in axle tube.

**Tool Number**

P 63

**Order Number**

X

**Description**

Puller

**Repair Group**

40

**Model - Use**

356 - For removing inner bearing from stub axle.

**Tool Number**

P 70

**Order Number**

X

**Description**

Suspension Arm Gauges

**Repair Group**

40

**Model - Use**

356 - For checking suspension arms.

**Tool Number**

P 71

**Order Number**

X

**Description**

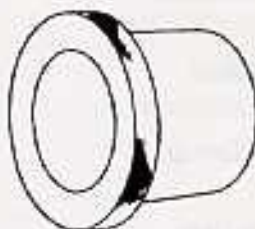
Sleeve

**Repair Group**

40

**Model - Use**

356 - Guide to be used when reaming bushings.

**Tool Number**

P 72

**Order Number**

X

**Description**

Puller

**Repair Group**

40

**Model - Use**

356 - For removing the steering drop arm.



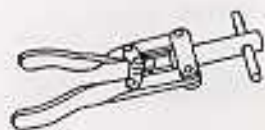
**Tool Number**  
P 83

**Order Number**  
X

**Description**  
Spreader

**Repair Group**  
46

**Model - Use**  
356/911/912/914 - For  
pressing in the brake caliper  
pistons.



**Tool Number**  
P 84 b

**Order Number**  
X

**Description**  
Piston Gauge

**Repair Group**  
46

**Model - Use**  
911 - For aligning brake  
caliper pistons.



**Tool Number**  
P 86

**Order Number**  
000 721 086 00

**Description**  
Extractor Hook

**Repair Group**  
46

**Model - Use**  
356/911/912/914 - For re-  
moving brake pads.



**Tool Number**  
P 88

**Order Number**  
X

**Description**  
Torx Head Wrenches, 6 & 8mm

**Repair Group**  
46

**Model - Use**  
911/912/914 - For R & R of  
brake caliper bolts.



**Tool Number**  
P 84

**Order Number**  
X

**Description**  
Piston Gauge

**Repair Group**  
46

**Model - Use**  
356/911/912/914 - For  
aligning brake caliper pistons.



**Tool Number**  
P 85

**Order Number**  
000 721 085 00

**Description**  
Pressure Piece

**Repair Group**  
40

**Model - Use**  
All - For removing front wheel  
bearing races.



**Tool Number**  
P 87

**Order Number**  
X

**Description**  
Gauge Holder (W/O gauge)

**Repair Group**  
46

**Model - Use**  
356/911/912/914 - Used to  
hold dial indicator when mea-  
suring brake disc runout.



**Tool Number**  
P 263

**Order Number**  
000 721 263 00

**Description**  
Press Pipe

**Repair Group**  
39, 42

**Model - Use**  
All - Press accessory.





**Tool Number**

P 280 b

**Order Number**

000 721 280 20

**Description**

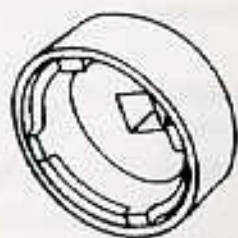
Spanner

**Repair Group**

40

**Model - Use**

911 - For R &amp; R of ball joint.

**Tool Number**

P 282

**Order Number**

X

**Description**

Puller

**Repair Group**

40

**Model - Use**

911/912 - For removing steering gear drive pinion.

**Tool Number**

P 283

**Order Number**

000 721 283 00

**Description**

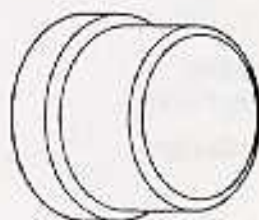
Pressure Piece

**Repair Group**

40

**Model - Use**

911/912 - For R &amp; R steering rack bearing bushing.

**Tool Number**

P 284

**Order Number**

X

**Description**

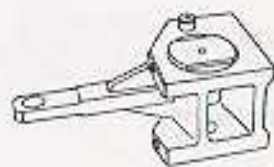
Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912 - For checking steering arms.

**Tool Number**

P 284 b

**Order Number**

000 721 284 20

**Description**

Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912 - For checking steering drop arm.

**Tool Number**

P 284 c

**Order Number**

000 721 284 30

**Description**

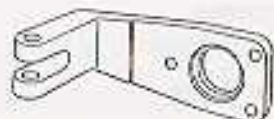
Alignment Fixture

**Repair Group**

40

**Model - Use**

914 - For checking steering drop arm.

**Tool Number**

P 285 b

**Order Number**

X

**Description**

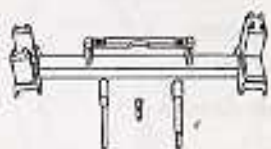
Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912/914 - Used to adjust the steering gear bushings.

**Tool Number**

P 285

**Order Number**

000 721 285 00

**Description**

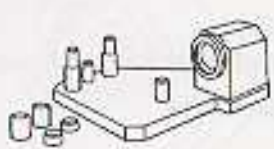
Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912 - For checking stub axles.



**Tool Number**

P 286 b

**Order Number**

000 721 286 20

**Description**

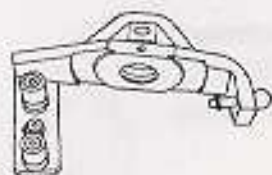
Alignment Fixture

**Repair Group**

40

**Model - Use**

914 - For checking steering knuckles.

**Tool Number**

P 286 c

**Order Number**

000 721 286 30

**Description**

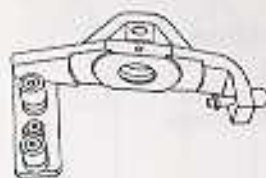
Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912/914 - For checking steering knuckles.

**Tool Number**

P 286 d

**Order Number**

000 721 286 40

**Description**

Sleeve and Cap

**Repair Group**

40

**Model - Use**

911 - Used in conjunction with P 286 b, on vehicles with Bilstein shocks.

**Tool Number**

P 287

**Order Number**

X

**Description**

Assembly Fixture

**Repair Group**

40

**Model - Use**

911/912 - For installing rubber mount on transverse control arm.

**Tool Number**

P 288 a

**Order Number**

X

**Description**

Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912/914 - For checking transverse control arm.

**Tool Number**

P 288 b

**Order Number**

X

**Description**

Alignment Fixture

**Repair Group**

40

**Model - Use**

911/912/914 - For checking front control arms.

**Tool Number**

P 289

**Order Number**

Use P 289 a

**Description**

Radius Arm Tensioner

**Repair Group**

42

**Model - Use**

911 - For holding the radius arm for shock R &amp; R.

**Tool Number**

P 289 a

**Order Number**

000 721 289 10

**Description**

Radius Arm Tensioner

**Repair Group**

42

**Model - Use**

911 - For holding the radius arm for shock R &amp; R.



**Tool Number**

P 293

**Order Number**

X

**Description**

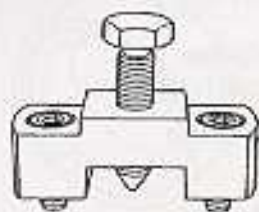
Pulley

**Repair Group**

40

**Model - Use**

911/912 - Used to remove flange from steering gear.

**Tool Number**

P 294

**Order Number**

000 721 294 00

**Description**

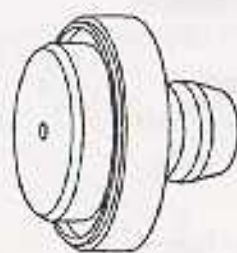
Seal Installer

**Repair Group**

42

**Model - Use**

911/912 - For installing oil seal on rear brake backing plate.

**Tool Number**

P 295

**Order Number**

X

**Description**

Alignment Fixture

**Repair Group**

42

**Model - Use**

911/912 - For checking rear trailing arm.

**Tool Number**

P 295 b

**Order Number**

000 721 295 20

**Description**

Alignment Fixture

**Repair Group**

42

**Model - Use**

911/912 - For checking rear trailing arm.

**Tool Number**

P 297

**Order Number**

000 721 297 00

**Description**

Mandrel

**Repair Group**

42

**Model - Use**

911/912 - For pressing out rear wheel hub.

**Tool Number**

P 297 a

**Order Number**

000 721 297 10

**Description**

Mandrel

**Repair Group**

42

**Model - Use**

911 - For pressing out rear wheel hub.

**Tool Number**

P 298

**Order Number**

000 721 298 00

**Description**

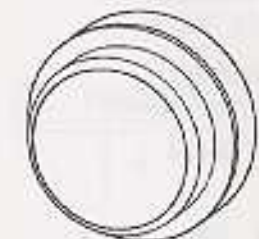
Pressure Piece

**Repair Group**

42

**Model - Use**

911/912 - For R &amp; R of rear suspension roller bearings.

**Tool Number**

P 298 b

**Order Number**

000 721 298 20

**Description**

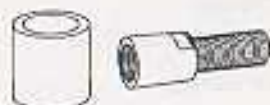
Pressing Tool

**Repair Group**

42

**Model - Use**

911/912/914 - For pressing rear wheel hub into rear axle bearing.



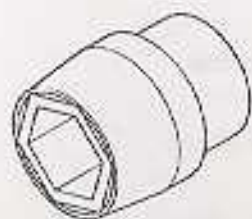
**Tool Number**  
P 300

**Order Number**  
000 721 300 00

**Description**  
Socket, 19mm

**Repair Group**  
44

**Model - Use**  
911 - For R & R of aluminum  
wheel nuts.



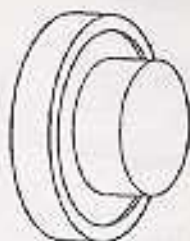
**Tool Number**  
P 302

**Order Number**  
000 721 302 00

**Description**  
Pressure Piece

**Repair Group**  
42

**Model - Use**  
911/912/914 - For installing  
rear wheel bearing.



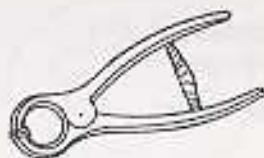
**Tool Number**  
WV 161 a

**Order Number**  
X

**Description**  
Snap Ring Pliers

**Repair Group**  
13, 35, 42

**Model - Use**  
All - For R & R of snap rings.



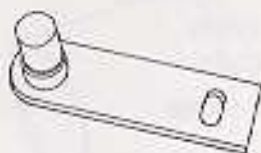
**Tool Number**  
WV 259

**Order Number**  
X

**Description**  
Gauge

**Repair Group**  
40

**Model - Use**  
356 - For checking bearing  
bracket.



**Tool Number**  
P 301 b

**Order Number**  
X

**Description**  
Measuring Gauge

**Repair Group**  
44

**Model - Use**  
911/912 - For height measure-  
ment of front axle (hydropneu-  
matic suspension only).



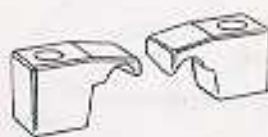
**Tool Number**  
P 303

**Order Number**  
X

**Description**  
Clamping Jaws

**Repair Group**  
42

**Model - Use**  
914 - For R & R of coil springs,  
in conjunction with WV 340.



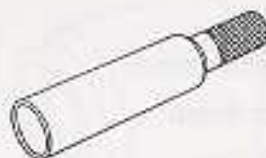
**Tool Number**  
WV 244 b

**Order Number**  
X

**Description**  
Mandrel

**Repair Group**  
32, 42

**Model - Use**  
911/914 - Multiple uses.



**Tool Number**  
WV 261

**Order Number**  
X

**Description**  
Protractor

**Repair Group**  
42

**Model - Use**  
911/914 - For checking rear  
torsion bar angle.



**Tool Number**

VW 267 a

**Order Number**

X

**Description**

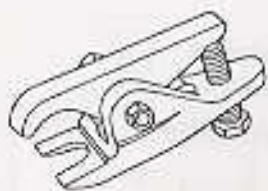
Pressing Tool

**Repair Group**

40

**Model - Use**

928 - For pressing out tie rod ends.

**Tool Number**

VW 270 a

**Order Number**

X

**Description**

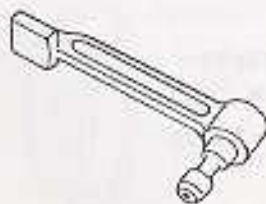
Gauge

**Repair Group**

40

**Model - Use**

356 - For checking torsion arms.

**Tool Number**

VW 273 a

**Order Number**

X

**Description**

Mandrel

**Repair Group**

40

**Model - Use**

356 - For installation of torsion arm bushing and bearing in axle tube.

**Tool Number**

VW 274 a

**Order Number**

X

**Description**

Reamer

**Repair Group**

40

**Model - Use**

356 - For reaming torsion arm bushings.

**Tool Number**

VW 340

**Order Number**

X

**Description**

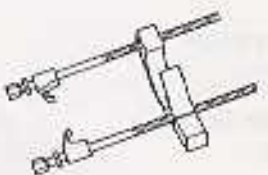
Spring Compressor

**Repair Group**

40, 42

**Model - Use**

914/924 - For R &amp; R of coil springs.

**Tool Number**

VW 416 b

**Order Number**

X

**Description**

Pipe Section

**Repair Group**

42

**Model - Use**

911 - Multiple uses.

**Tool Number**

VW 432

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

34, 40

**Model - Use**

356/911/914 - For pressing steering knuckle bushings.

**Tool Number**

VW 433

**Order Number**

X

**Description**

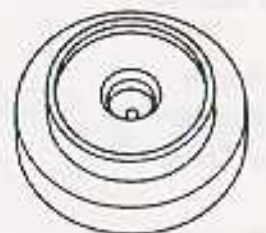
Seal Installer

**Repair Group**

38, 40

**Model - Use**

All - Multiple uses.



**Tool Number**

VW 434

**Order Number**

X

**Description**

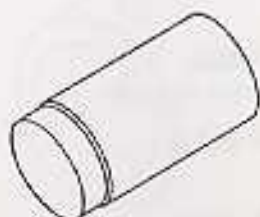
Pressure Piece

**Repair Group**

40

**Model - Use**

356 - For installing steering knuckle pin.

**Tool Number**

VW 441

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

42

**Model - Use**

928/944 - For R &amp; R of rear wheel bearing.

**Tool Number**

VW 447 h

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

40

**Model - Use**

All - Multiple uses.

**Tool Number**

VW 447 i

**Order Number**

X

**Description**

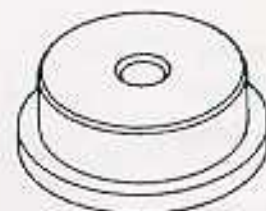
Pressure Piece

**Repair Group**

42

**Model - Use**

All - Multiple uses.

**Tool Number**

VW 449 c

**Order Number**

X

**Description**

Pressure Piece

**Repair Group**

42

**Model - Use**

914 - For disassembly of drive shaft.

**Tool Number**

VW 455

**Order Number**

X

**Description**

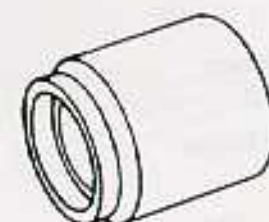
Pressure Piece

**Repair Group**

42

**Model - Use**

928 - Used to install trailing arm bushings.

**Tool Number**

VW 459

**Order Number**

X

**Description**

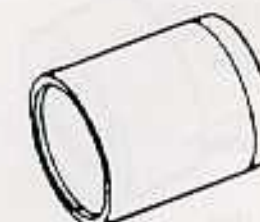
Pressure Piece

**Repair Group**

42

**Model - Use**

928 - Used to install rubber mounts.

**Tool Number**

VW 511

**Order Number**

X

**Description**

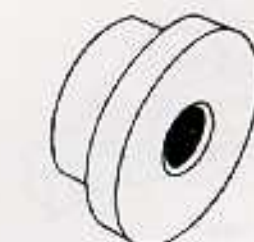
Pressure Piece

**Repair Group**

40

**Model - Use**

All - Multiple uses, in conjunction with VW 295.



**Tool Number**

VW 637/2

**Order Number**

X

**Description**

Puller

**Repair Group**

40

**Model - Use**

914/924 - Used to remove front bearing cap.

**Tool Number**

VW 655/3

**Order Number**

X

**Description**

Radius Arm Tensioner

**Repair Group**

42

**Model - Use**

924 - For raising and holding the radius arm to R &amp; R the shocks.

**Tool Number**

VW 771/1

**Order Number**

X

**Description**

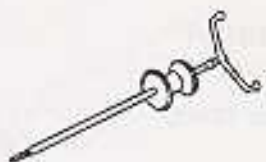
Slide Hammer

**Repair Group**

40

**Model - Use**

All - Multiple uses.

**Tool Number**

40-204

**Order Number**

X

**Description**

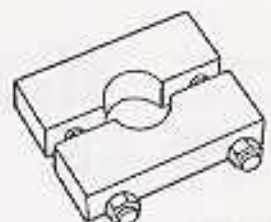
Clamp

**Repair Group**

42

**Model - Use**

924 - Used to assemble half shafts.

**Tool Number**

9116

**Order Number**

000 721 911 60

**Description**

Lock Bolt

**Repair Group**

44

**Model - Use**

944 - Used to lock the steering rack.

**Tool Number**

9118

**Order Number**

000 721 911 80

**Description**

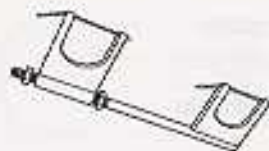
Tensioner

**Repair Group**

42

**Model - Use**

924 - Used to adjust rear wheel toe.

**Tool Number**

9132

**Order Number**

000 721 913 20

**Description**

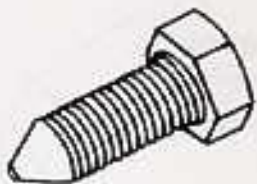
Lock Bolt

**Repair Group**

44

**Model - Use**

928 - Used to lock the steering rack.

**Tool Number**

9154

**Order Number**

000 721 915 40

**Description**

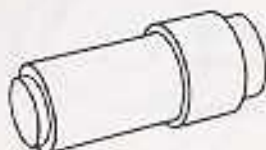
Mandrel

**Repair Group**

40

**Model - Use**

All - Used to R &amp; R front wheel bearing races.



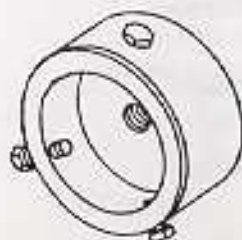
**Tool Number**  
9165

**Order Number**  
000 721 916 50

**Description**  
Puller

**Repair Group**  
40, 46

**Model - Use**  
911/928 - Used to remove the front bearing caps, in conjunction with VW 771/L.



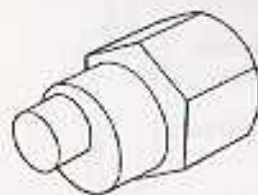
**Tool Number**  
9171

**Order Number**  
000 721 917 10

**Description**  
Adjusting Eccentric

**Repair Group**  
44

**Model - Use**  
944 - For adjusting rear axle toe.



**Tool Number**  
9183

**Order Number**  
000 721 918 30

**Description**  
Wrench

**Repair Group**  
40

**Model - Use**  
924/928 - For R & R of track arm.



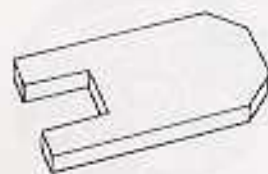
**Tool Number**  
9208

**Order Number**  
000 721 920 80

**Description**  
Gauge

**Repair Group**  
48

**Model - Use**  
928 - For measuring spacing of steering shaft universal joint.



**Tool Number**  
9229

**Order Number**  
000 721 922 90

**Description**  
Hook

**Repair Group**  
44

**Model - Use**  
All - Used to remove center hub caps.



**Tool Number**  
9243

**Order Number**  
000 721 924 30

**Description**  
Balance Beam

**Repair Group**  
44

**Model - Use**  
911 - For checking wheel load.



**Tool Number**  
9265

**Order Number**  
000 721 926 50

**Description**  
Eccentric Insert

**Repair Group**  
40

**Model - Use**  
911 - For adjusting front wheel camber.



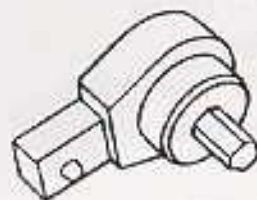
**Tool Number**  
9265/1

**Order Number**  
000 721 926 51

**Description**  
Socket Head

**Repair Group**  
44

**Model - Use**  
911 - For Tightening camber bolt.





**Tool Number**

9265/2

**Order Number**

000 721 926 52

**Description**

Adapter Socket

**Repair Group**

44

**Model - Use**

911 - For tightening camber bolt.

**Tool Number**

9273

**Order Number**

000 721 927 30

**Description**

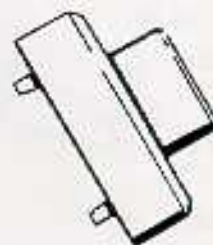
RDK Socket

**Repair Group**

44

**Model - Use**

928 - For R &amp; R of RDK sensor.

**Tool Number**

9274

**Order Number**

000 721 927 40

**Description**

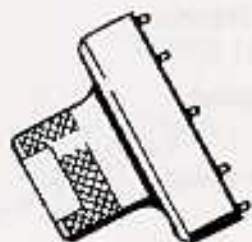
RDK Socket

**Repair Group**

44

**Model - Use**

928 - For R &amp; R of RDK sensor.

**Tool Number**

9285

**Order Number**

000 721 928 50

**Description**

Adjusting Knob

**Repair Group**

40

**Model - Use**

911 - For adjusting front shock absorber.

**Tool Number**

9299

**Order Number**

000 721 929 90

**Description**

Socket Adapter

**Repair Group**

42

**Model - Use**

911 - For R &amp; R of rear axle control arm, in conjunction with 9299/1.

**Tool Number**

9299/1

**Order Number**

000 721 929 91

**Description**

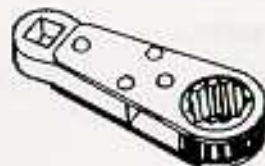
Ratchet Adapter

**Repair Group**

42

**Model - Use**

911 - Used in conjunction with 9299.

**Tool Number**

9509

**Order Number**

000 721 950 90

**Description**

Pressure Gauge

**Repair Group**

39, 45

**Model - Use**

All - Used to measure hydraulic pressure in conjunction with various adapters.

**Tool Number**

9509/1

**Order Number**

000 721 950 91

**Description**

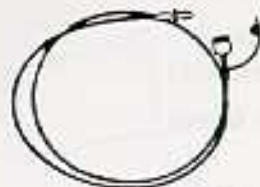
Pressure Hose

**Repair Group**

39, 45

**Model - Use**

911/928 - Used in conjunction with 9509.



**Tool Number**  
9509/2

**Order Number**  
000 721 950 92

**Description**  
Pressure Hose

**Repair Group**  
39, 45

**Model - Use**  
911/928 - Used in conjunction with 9509.



**Tool Number**  
9509/3

**Order Number**  
000 721 950 93

**Description**  
Connection Piece

**Repair Group**  
39, 45

**Model - Use**  
911 - Used in conjunction with 9509.



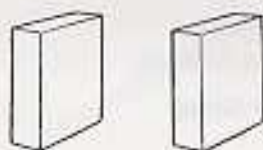
**Tool Number**  
9509/4

**Order Number**  
000 721 950 94

**Description**  
Retaining Blocks

**Repair Group**  
39, 45

**Model - Use**  
911 - Used in conjunction with 9509.



**Tool Number**  
9510

**Order Number**  
000 721 951 00

**Description**  
Torque Adapter

**Repair Group**  
39, 45

**Model - Use**  
911 - Used to check slip torque of PDAS.



**Tool Number**  
9514

**Order Number**  
000 721 951 40

**Description**  
Measuring Gauge

**Repair Group**  
39, 45

**Model - Use**  
911/928 - Used for setting clutch packs for the PSD and PDAS differentials.



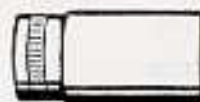
**Tool Number**  
9524

**Order Number**  
000 721 952 40

**Description**  
Socket

**Repair Group**  
40

**Model - Use**  
911/928 - Used to R & R pressure switch in brake pressure and PDAS pumps.



**Tool Number**  
9527

**Order Number**  
000 721 952 70

**Description**  
Rim Cover

**Repair Group**  
40

**Model - Use**  
All - Used to protect "Cup" design wheels during R & R.



**Tool Number**  
9539

**Order Number**  
000 721 953 90

**Description**  
Rim Flange Tool

**Repair Group**  
40

**Model - Use**  
All - Used to dismount tires on 17" wheels.



**Tool Number**

9546

**Order Number**

000 721 954 60

**Description**

Holding Device

**Repair Group**

40, 42

**Model - Use**

911 - Used to hold suspension joints.

**Tool Number**

9557

**Order Number**

000 721 955 70

**Description**

Wrench

**Repair Group**

40

**Model - Use**

911 - Used when performing a rear end alignment.

**Tool Number**

9558

**Order Number**

000 721 955 80

**Description**

Torque Wrench Adapter

**Repair Group**

40

**Model - Use**

911 - Used when performing rear end alignment.

**Tool Number**

9560

**Order Number**

000 721 956 00

**Description**

Tie Rod Remover

**Repair Group**

40

**Model - Use**

911 - Used to remove tie rod end joints.

**Tool Number**

9565

**Order Number**

000 721 956 50

**Description**

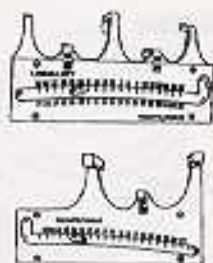
Level Gauges

**Repair Group**

40

**Model - Use**

911 - Used to measure and set the kinematic toe value.

**Tool Number**

9581

**Order Number**

000 721 958 10

**Description**

Socket Adapter

**Repair Group**

40

**Model - Use**

911 - Used to torque the front drive axles.

**Tool Number**

9622

**Order Number**

000 721 962 20

**Description**

Installation Tool

**Repair Group**

30, 48

**Model - Use**

911/Boxster - Used to install hydraulic line on clutch assembly.

**Tool Number**

9623

**Order Number**

000 721 962 30

**Description**

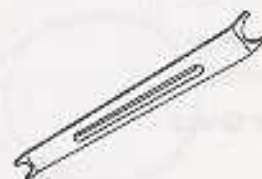
Assembly Aid, Testing Tool

**Repair Group**

30, 48

**Model - Use**

911/Boxster - Used to check if the pressure &amp; return line couplings are seated ok.



**Tool Number**  
9625

**Order Number**  
000 721 962 50

**Description**  
Wrench

**Repair Group**  
44

**Model - Use**  
911/Boxster - Rear  
suspension wrench.



**Tool Number**  
9626

**Order Number**  
000 721 962 60

**Description**  
Wrench

**Repair Group**  
44

**Model - Use**  
911 - Torque adaptor for rear  
suspension.



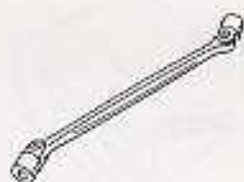
**Tool Number**  
9630

**Order Number**  
000 721 963 00

**Description**  
Wrench

**Repair Group**  
44

**Model - Use**  
911 - Used on rear  
suspension.



**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

P 290

**Order Number**

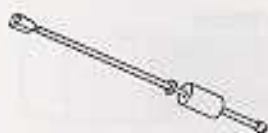
000 721 290 00

**Description**

Extractor

**Repair Group**

57

**Model - Use**911/912/914 - Used to  
remove door hinge pins.**Tool Number**

P 290 b

**Order Number**

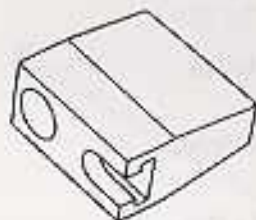
000 721 290 20

**Description**

Attachment

**Repair Group**

57

**Model - Use**911/912/914 - Used to  
remove door hinge pins, in  
conjunction with P 290.**Tool Number**

P 850

**Order Number**

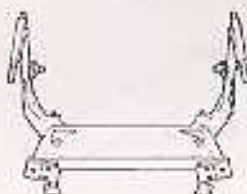
X

**Description**

Front Axle Gauge

**Repair Group**

50

**Model - Use**911/912 - For checking front  
axle attachment points.**Tool Number**

P 853

**Order Number**

000 721 853 00

**Description**

Template

**Repair Group**

51

**Model - Use**911/912 - Used for checking  
rear window opening.**Tool Number**

P 290 a

**Order Number**

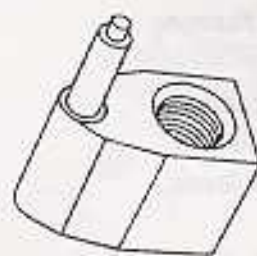
000 721 290 10

**Description**

Puller

**Repair Group**

57

**Model - Use**911 - Used in conjunction with  
P 290.**Tool Number**

P 304

**Order Number**

X

**Description**

Lever

**Repair Group**

55

**Model - Use**914 - Used to R & R rear lid  
spring.**Tool Number**

P 852

**Order Number**

000 721 852 00

**Description**

Template

**Repair Group**

51

**Model - Use**911/912 - Used for checking  
windshield opening.**Tool Number**

P 854

**Order Number**

000 721 854 00

**Description**

Template

**Repair Group**

51

**Model - Use**911/912 - Used to checking  
rear quarter window  
openings.

**Tool Number**

P 856

**Order Number**

000 721 856 00

**Description**

Template

**Repair Group**

51

**Model - Use**

911 - used for checking Targa rear window opening.

**Tool Number**

9555

**Order Number**

000 721 955 50

**Description**

Gauge

**Repair Group**

50

**Model - Use**

911 - Used when installing windshield.

**Tool Number**

9556

**Order Number**

000 721 955 60

**Description**

Gauge

**Repair Group**

50

**Model - Use**

911 - Used when installing rear window.

**Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number**

9117

**Order Number**

000 721 911 70

**Description**

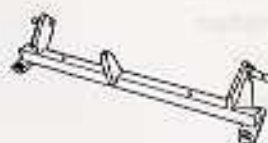
Front Body Jig

**Repair Group**

50

**Model - Use**

924 - For positioning the front lock carrier and concealed headlight brackets.

**Tool Number**

9555/1

**Order Number**

000 721 955 51

**Description**

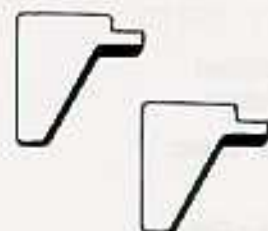
Gauge

**Repair Group**

50

**Model - Use**

911 - Used when installing windshield.

**Tool Number**

9556/1

**Order Number**

000 721 955 61

**Description**

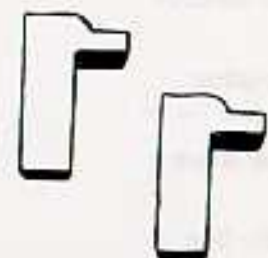
Gauge

**Repair Group**

50

**Model - Use**

911 - Used installing rear window.

**Tool Number****Order Number****Description****Repair Group****Model - Use**

**Tool Number**

P 279

**Order Number**

000 721 279 00

**Description**

Socket

**Repair Group**

68

**Model - Use**

911 - For R &amp; R of glove box lock.

**Tool Number**

VAG 1739

**Order Number**

X

**Description**

Allen Wrench

**Repair Group**

64

**Model - Use**

911 - Used to remove, install or adjust the cabrio rear quarter window.

**Tool Number**

9209

**Order Number**

000 721 920 90

**Description**

Wrench

**Repair Group**

66

**Model - Use**

928 - For R &amp; R of electric mirror switch.

**Tool Number**

9257

**Order Number**

000 721 925 70

**Description**

Switch

**Repair Group**

68

**Model - Use**

All - For manual detonation of air bag during the scrapping process, used with 9257/1.

**Tool Number**

PNA 721 038

**Order Number**

PNA 721 038

**Description**

Cabrio Window Tool

**Repair Group**

60

**Model - Use**

911 - Used to install cabrio rear windows.

**Tool Number**

9188

**Order Number**

000 721 918 80

**Description**

Spanner Wrench

**Repair Group**

66

**Model - Use**

924 - For R &amp; R of mechanically operated mirror.

**Tool Number**

9231

**Order Number**

000 721 923 10

**Description**

Wrench

**Repair Group**

66

**Model - Use**

911 - For R &amp; R of outside mirrors.

**Tool Number**

9257/1

**Order Number**

000 721 925 71

**Description**

Lead

**Repair Group**

68

**Model - Use**

All - Used in conjunction with 9257.



**Tool Number**

9257/2

**Order Number**

000 721 925 72

**Description**

Diagnostic Cable

**Repair Group**

68

**Model - Use**

All - Used to diagnose side air bag.

**Tool Number**

9258

**Order Number**

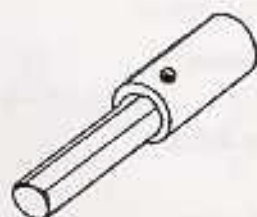
000 721 925 80

**Description**

Allen Socket

**Repair Group**

68

**Model - Use**All - Used for installation of air bag components.  
Note: Snap-on TMA-8.**Tool Number**

9259

**Order Number**

000 721 925 90

**Description**

Ribbed Socket

**Repair Group**

68

**Model - Use**

All - Used to remove air bag components.

**Tool Number**

9261

**Order Number**

000 721 926 10

**Description**

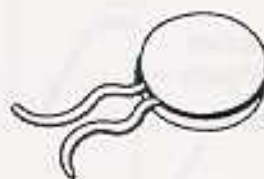
Clamp

**Repair Group**

61

**Model - Use**

944 - Used to install sunroof cable tubes.

**Tool Number**

9516

**Order Number**

000 721 951 60

**Description**

Air Bag Test Unit

**Repair Group**

69

**Model - Use**

All - Used to check the air bag contact.

**Tool Number**

9516/1

**Order Number**

000 721 951 61

**Description**

Air Bag Test Unit

**Repair Group**

69

**Model - Use**

All - Used to check air bag contact.

**Tool Number**

9516/2

**Order Number**

000 721 951 62

**Description**

Air Bag Diagnostic Cable

**Repair Group**

69

**Model - Use**

All - Used to diagnose air bag system.

**Tool Number**

9528

**Order Number**

000 721 952 80

**Description**

Mixing Rod

**Repair Group**

60

**Model - Use**

All - Used to mix epoxy.





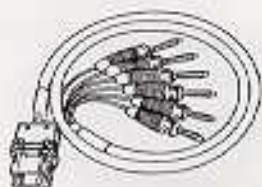
**Tool Number**  
9541

**Order Number**  
000 721 954 10

**Description**  
Test Cable

**Repair Group**  
68

**Model - Use**  
All - For checking air bag wiring harness inputs.



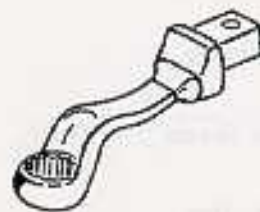
**Tool Number**  
9544

**Order Number**  
000 721 954 40

**Description**  
Wrench Adapter

**Repair Group**  
60

**Model - Use**  
911 - Used to R & R Speedster windshield.



**Tool Number**  
9566

**Order Number**  
000 721 956 60

**Description**  
Connector

**Repair Group**  
69

**Model - Use**  
All - Used to diagnose the air bag system with tool 9516.



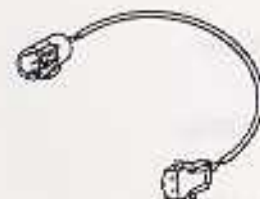
**Tool Number**  
9567

**Order Number**  
000 721 956 70

**Description**  
Connector

**Repair Group**  
69

**Model - Use**  
All - Use with special tool 9257 to set off air bags.



**Tool Number**  
9586

**Order Number**  
000 721 958 60

**Description**  
Glue Gun

**Repair Group**  
60

**Model - Use**  
All - Used apply windshield adhesive.



**Tool Number**  
9587

**Order Number**  
000 721 958 70

**Description**  
Guide

**Repair Group**  
60

**Model - Use**  
911 - Used to lower the Targa roof glass wind deflector.



**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**  
9269  
**Order Number**  
000 721 926 90

**Description**  
Cable

**Repair Group**  
72

**Model - Use**  
928 - Used to repair seats  
with memory.



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**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

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**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

---

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**  
9578  
**Order Number**  
000 721 957 80

**Description**  
Mirror Holder

**Repair Group**  
70

**Model - Use**  
911/Boxster - Used to  
assemble the inside mirror  
onto a new mounting plate.



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**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

---

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

---

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**  
PNA 721 006

**Order Number**  
PNA 721 006

**Description**  
A/C Pump Holder

**Repair Group**  
87

**Model - Use**  
All - For R & R of A/C  
compressor shaft nut.



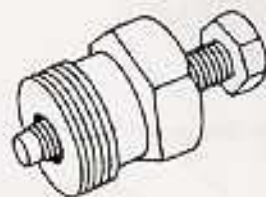
**Tool Number**  
PNA 721 007

**Order Number**  
PNA 721 007

**Description**  
A/C Clutch Puller

**Repair Group**  
87

**Model - Use**  
All - Used to remove A/C  
clutch.



**Tool Number**  
PNA 721 008

**Order Number**  
PNA 721 008

**Description**  
Puller

**Repair Group**  
87

**Model - Use**  
All - Used to remove A/C com-  
pressor woodruff key.



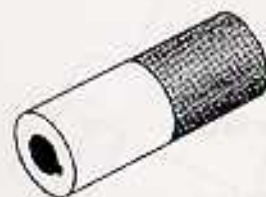
**Tool Number**  
PNA 721 009

**Order Number**  
PNA 721 009

**Description**  
Press

**Repair Group**  
87

**Model - Use**  
All - Use to install A/C  
compressor woodruff key.



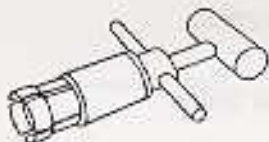
**Tool Number**  
PNA 721 010

**Order Number**  
PNA 721 010

**Description**  
Puller

**Repair Group**  
87

**Model - Use**  
All - Used to remove A/C com-  
pressor seal seat.



**Tool Number**  
PNA 721 011

**Order Number**  
PNA 721 011

**Description**  
Puller

**Repair Group**  
87

**Model - Use**  
All - Used to remove A/C com-  
pressor axial shaft seal.



**Tool Number**  
PNA 721 012

**Order Number**  
PNA 721 012

**Description**  
Mandrel

**Repair Group**  
87

**Model - Use**  
All - Used to install retaining  
ring on A/C compressor  
shaft.



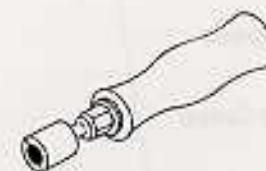
**Tool Number**  
9245

**Order Number**  
000 721 924 50

**Description**  
Wrench

**Repair Group**  
87

**Model - Use**  
911 - For R & R of A/C  
switch.



**Tool Number**

9512

**Order Number**

000 721 951 20

**Description**

Puller

**Repair Group**

80

**Model - Use**

911 - Used to remove fan motors.



**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

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**Model - Use**

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**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**

**Order Number**

**Description**

**Repair Group**

**Model - Use**

**Tool Number**  
PNA 721 020  
**Order Number**  
PNA 721 020

**Description**  
Release Tool

**Repair Group**  
90

**Model - Use**  
All - Used to remove Alpine  
CD player from dash.

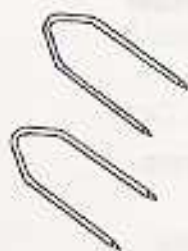


**Tool Number**  
PNA 721 021  
**Order Number**  
PNA 721 021

**Description**  
Release Tool

**Repair Group**  
91

**Model - Use**  
All - Used to remove  
Blaupunkt radio from dash.



**Tool Number**  
P 281  
**Order Number**  
X

**Description**  
T Handle Wrench

**Repair Group**  
90

**Model - Use**  
911/912 - Used to R & R light  
switch.

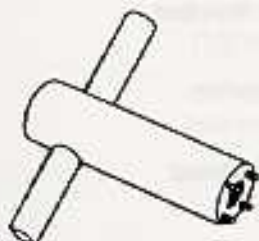


**Tool Number**  
P 281 a  
**Order Number**  
000 721 281 10

**Description**  
T Handle Wrench

**Repair Group**  
94

**Model - Use**  
911 - Used to R & R various  
switches on dashboard.



**Tool Number**  
P 388  
**Order Number**  
000 721 388 00

**Description**  
Screwdriver

**Repair Group**  
90

**Model - Use**  
911 - Used to R & R  
headlights.



**Tool Number**  
9135  
**Order Number**  
PNA 721 029 A

**Description**  
Adjusting Tool

**Repair Group**  
92

**Model - Use**  
All - For adjusting headlight  
washer arm.



**Tool Number**  
9235  
**Order Number**  
000 721 923 50

**Description**  
Pliers

**Repair Group**  
90

**Model - Use**  
All - Used to remove relays.



**Tool Number**  
9266  
**Order Number**  
000 721 926 60

**Description**  
Puller

**Repair Group**  
24, 25, 97

**Model - Use**  
All - For removal of Bosch  
electrical Connectors.



**Tool Number**

9288/3

**Order Number**

000 721 928 83

**Description**

Diagnostic Cable

**Repair Group**

90

**Model - Use**

All - Used to connect the 9288 system tester to vehicles with OBD II system.

**Tool Number**

9540

**Order Number**

000 721 954 00

**Description**

Test Adapter

**Repair Group**

90

**Model - Use**

All - Used to measure alarm system inputs.

**Tool Number**

9570

**Order Number**

Use 9570/1

**Description**

Release Tool

**Repair Group**

90

**Model - Use**

All - Used to remove the Porsche CR 10 sound system.

**Tool Number**

9570/1

**Order Number**

000 721 957 01

**Description**

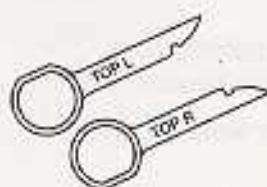
Release Tool

**Repair Group**

90

**Model - Use**

All - Used to remove later model Porsche CR 10 sound system.

**Tool Number**

9617

**Order Number**

000 721 961 70

**Description**

Adapter Cable

**Repair Group**

90

**Model - Use**

911/Boxster - Used to diagnose inputs to the alarm control.

**Tool Number**

9631

**Order Number**

000 721 963 10

**Description**

Ignition Switch Tool

**Repair Group**

90

**Model - Use**

911/Boxster - Used to R &amp; R ignition switch.

**Tool Number****Order Number****Description****Repair Group****Model - Use****Tool Number****Order Number****Description****Repair Group****Model - Use**