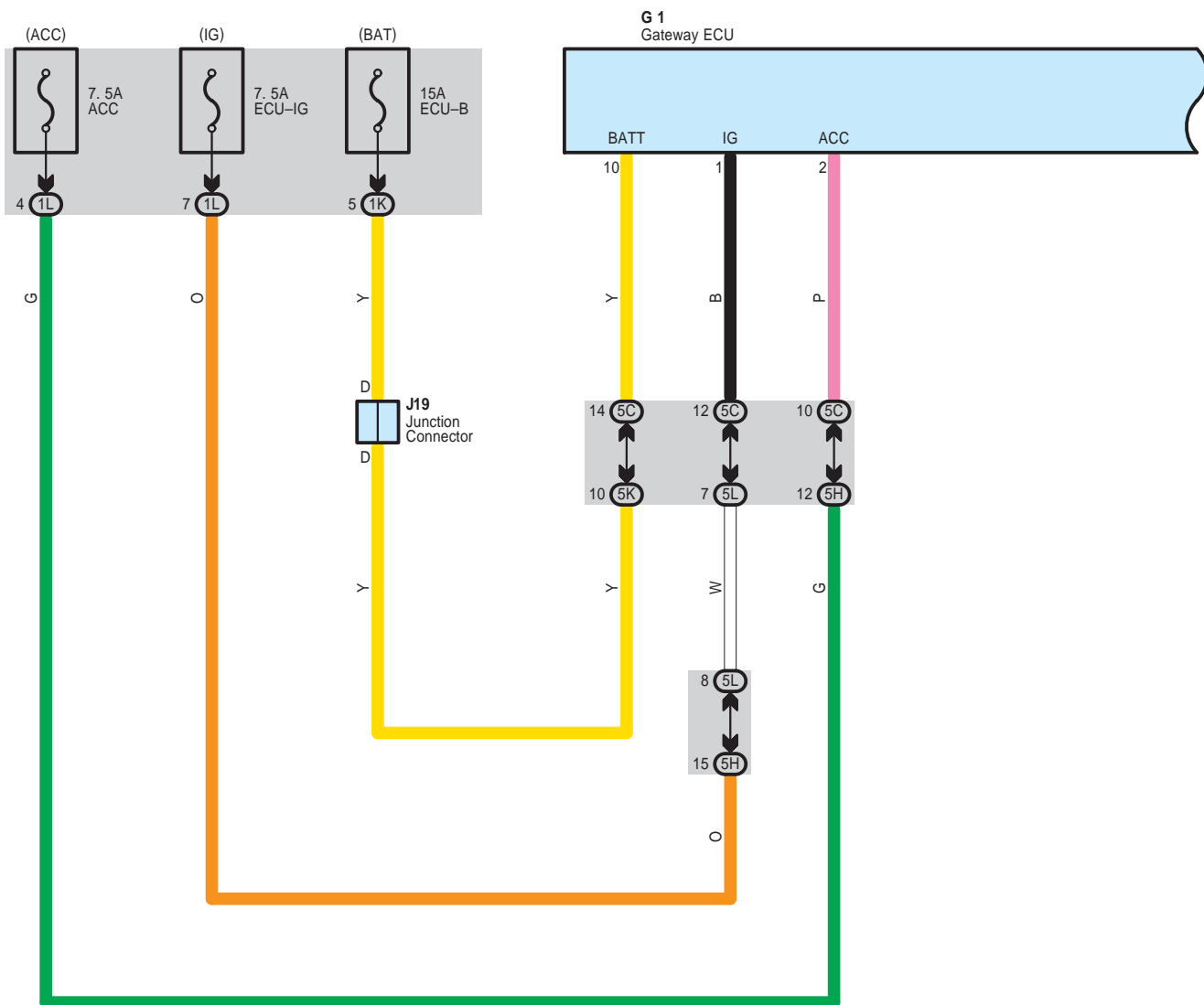
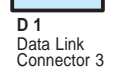


Multiplex Communication System – BEAN Bus





Multiplex Communication System – BEAN Bus

System Outline

BEAN consists of body electrical systems such as body ECU, A/C control assembly, power source control ECU, combination meter, tire pressure warning ECU, certification ECU*, transmission control ECU, ID code box and gateway ECU. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU. Vehicle information is input to body ECU at an assembling plant as a representative ECU which delivers the information to other ECUs through multiplex communication.

* Optional equipment

This system is working for the following systems:

- * ABS
- * Air Conditioning
- * Audio System
- * Combination Meter
- * Cruise Control
- * Engine Control
- * EPS
- * Headlight
- * Hybrid Vehicle Immobiliser System
- * Illumination
- * Interior Light
- * Key Reminder
- * Luggage Compartment Door Opener
- * Mirror Heater
- * Multi-Display
- * Push Button Start System
- * Rear Window Defogger
- * Shift Control System
- * Smart Key System
- * Taillight
- * Tire Pressure Warning System
- * TOYOTA Hybrid System
- * TRAC
- * VSC

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A8		48	G1		49	S11		51
B5	A	48	J19		50	T4		51
C10		49	J24		50	T5		51
D1		49	P6		51	T11		51

**: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	30	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1G		
1K	31	
1L		
4C	38	Instrument Panel Wire and Center Connector No.1 (Behind the Combination Meter)
4D		
4F		
4I		
4K		
4L		
5C	42	Instrument Panel Wire and Center Connector No.2 (Instrument Panel Brace RH)
5D		
5G		
5H		
5J		
5K		
5L		
5M		

**: Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IG1	59	Instrument Panel Wire and Instrument Panel No.2 Wire (Behind the Combination Meter)
IG2		
II1	59	Engine Wire and Instrument Panel Wire (Behind the Glove Box)

**: Ground Points**

Code	See Page	Ground Points Location
IH	58	Cowl Side Panel LH