

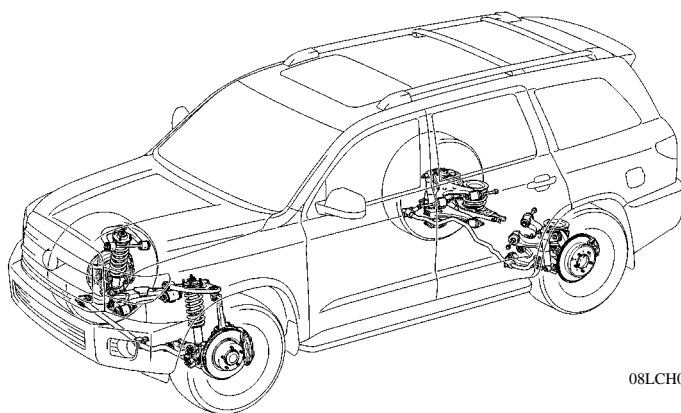
## SUSPENSION AND AXLE

### DESCRIPTION

- The double-wishbone independent suspension is used for the front and rear on all models.
- An air suspension system for the rear suspension is standard equipment for the Platinum grade and optional equipment for the other grades.
- The AVS (Adaptive Variable Suspension) system is provided as standard equipment for the Platinum grade.

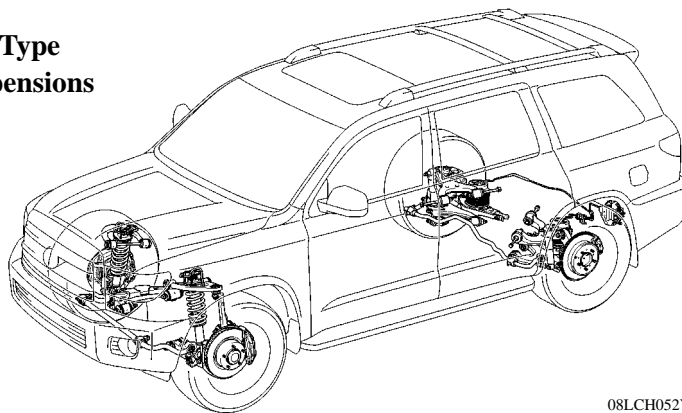
○: Standard   OP: Option   —: None

Grade		SR5	Limited	Platinum
Front Suspension	Double-wishbone Type	○	○	○
	Double-wishbone Type with Air Suspension System	OP	OP	○
AVS (Adaptive Variable Suspension)		—	—	○



08LCH051Y

**Double-wishbone Type  
Front and Rear Suspensions**



08LCH052Y

**Double-wishbone Type Front and Rear Suspensions  
with Rear Air Suspension System and AVS System**

## ► Specifications ◀

Engine Type			2UZ-FE			
Drive Type			2WD			
Grade			SR5		Limited	
Tire Size			275/65R18	275/55R20	275/65R18	275/55R20
Tread*1	Front	mm (in.)	1725 (67.9)	←	←	←
	Rear	mm (in.)	1755 (69.1)	←	←	←
Front Wheel Alignment*1	Caster	degrees	3°74', 3°93'*2	←	3°76', 3°93'*2	3°75', 3°93'*2
	Camber	degrees	-0°14', -0°13'*2	←	←	←
	Toe-in	mm (in.)	2.51 (0.99), 2.63 (1.04)*2	←	←	←
	King Pin Inclination	degrees	13°15', 13°14'*2	←	←	←
Rear Wheel Alignment*1	Camber	degrees	-1°43', -2°00'*2	←	←	←
	Toe-in	mm (in.)	-1.0 (-0.04), -0.3 (-0.01)*2	←	←	←

\*1: Unloaded Vehicle Condition

\*2: With Air Suspension System

Engine Type			2UZ-FE			
Drive Type			4WD			
Grade			SR5		Limited	
Tire Size			275/65R18	275/55R20	275/65R18	275/55R20
Tread*1	Front	mm (in.)	1725 (67.9)	←	←	←
	Rear	mm (in.)	1755 (69.1)	←	←	←
Front Wheel Alignment*1	Caster	degrees	3°59', 3°81'*2	3°54', 3°75'*2	3°60', 3°81'*2	3°55', 3°75'*2
	Camber	degrees	-0°01', 0°00'*2	←	0°00', 0°01'*2	←
	Toe-in	mm (in.)	2.43 (0.96), 2.54 (1.00)*2	←	2.49 (0.98), 2.60 (1.02)*2	←
	King Pin Inclination	degrees	13°04', 13°03'*2	←	←	←
Rear Wheel Alignment*1	Camber	degrees	-1°35', -1°51'*2	←	←	←
	Toe-in	mm (in.)	-1.4 (-0.06), -0.7 (-0.03)*2	←	←	←

\*1: Unloaded Vehicle Condition

\*2: With Air Suspension System

(Continued)

Engine Type			3UR-FE				
Drive Type			2WD				
Grade			SR5		Limited		Platinum
Tire Size			275/65R18	275/55R20	275/65R18	275/55R20	275/55R20
Tread*1	Front	mm (in.)	1725 (67.9)	←	←	←	←
	Rear	mm (in.)	1755 (69.1)	←	←	←	←
Front Wheel Alignment*1	Caster	degrees	3°76', 3°94'*2	←	3°77', 3°94'*2	←	3°94'
	Camber	degrees	-0°17', -0°16'*2	←	-0°16', -0°15'*2	←	-0°15'
	Toe-in	mm (in.)	2.15 (0.85), 2.25 (0.89)*2	←	2.27 (0.89), 2.38 (0.94)*2	←	2.36 (0.93)
	King Pin Inclination	degrees	13°19', 13°18'*2	←	13°18', 13°17'*2	←	13°17'
Rear Wheel Alignment*1	Camber	degrees	-1°43', -2°00'*2	←	←	←	-2°00'
	Toe-in	mm (in.)	-1.0 (-0.04), -0.3 (-0.01)*2	←	←	←	-0.3 (-0.01)

\*1: Unloaded Vehicle Condition

\*2: With Air Suspension System

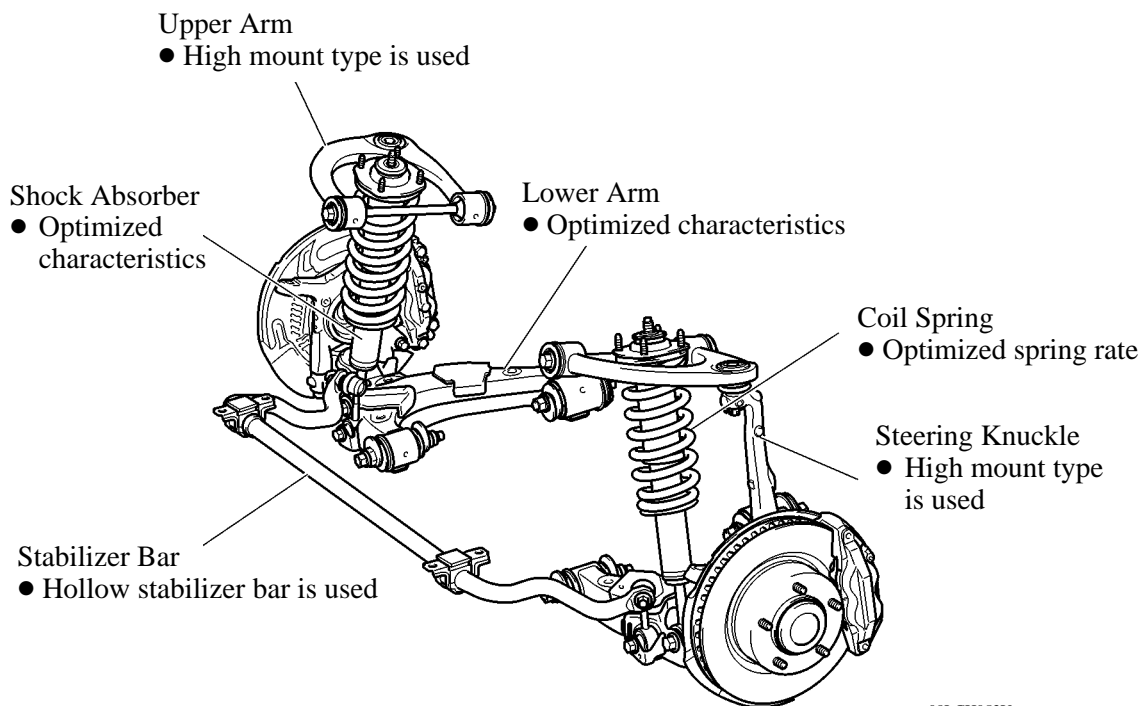
Engine Type			3UR-FE				
Drive Type			4WD				
Grade			SR5		Limited		Platinum
Tire Size			275/65R18	275/55R20	275/65R18	275/55R20	275/55R20
Tread*1	Front	mm (in.)	1725 (67.9)	←	←	←	←
	Rear	mm (in.)	1755 (69.1)	←	←	←	←
Front Wheel Alignment*1	Caster	degrees	3°67', 3°83'*2	3°61', 3°77'*2	3°67', 3°83'*2	3°62', 3°77'*2	3°77'
	Camber	degrees	-0°04', -0°03'*2	←	-0°03'	←	-0°02'
	Toe-in	mm (in.)	2.02 (0.80), 2.11 (0.83)*2	←	2.08 (0.82), 2.17 (0.85)*2	←	2.21 (0.87)
	King Pin Inclination	degrees	13°08', 13°07'*2	←	13°07', 13°06'*2	←	13°06'
Rear Wheel Alignment*1	Camber	degrees	-1°35', -1°51'*2	←	←	←	-1°51'
	Toe-in	mm (in.)	-1.4 (-0.06), -0.7 (-0.03)*2	←	←	←	-0.7 (-0.03)

\*1: Unloaded Vehicle Condition

\*2: With Air Suspension System

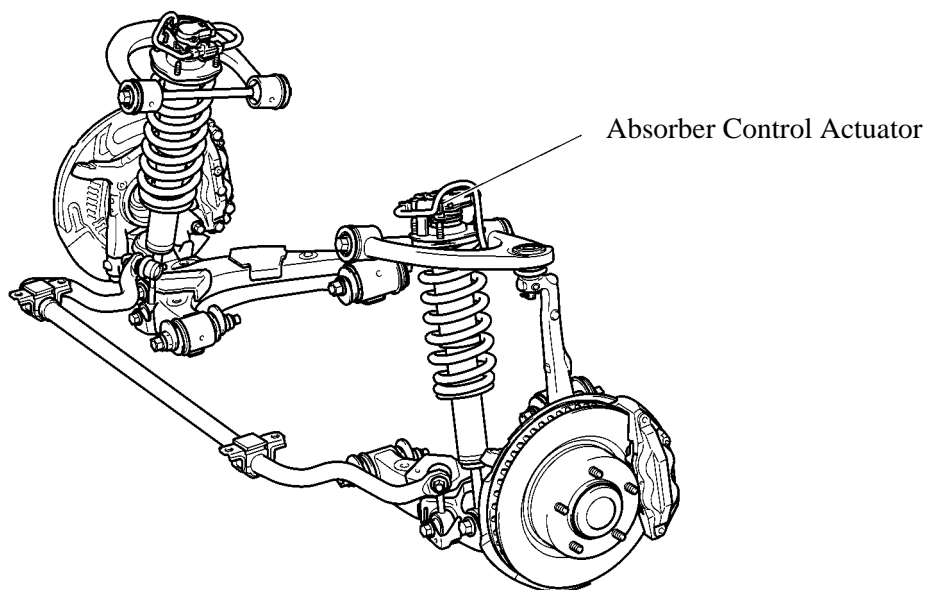
## ■ FRONT SUSPENSION

Through the optimal allocation of components, the front suspension realizes excellent riding comfort and controllability.



08LCH053Y

**SR5 and Limited Grades**

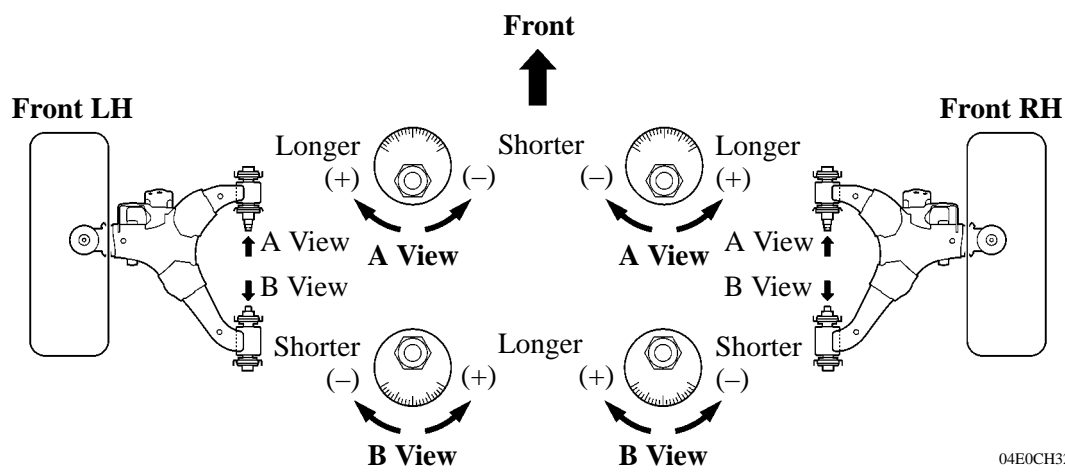


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**Platinum Grade**

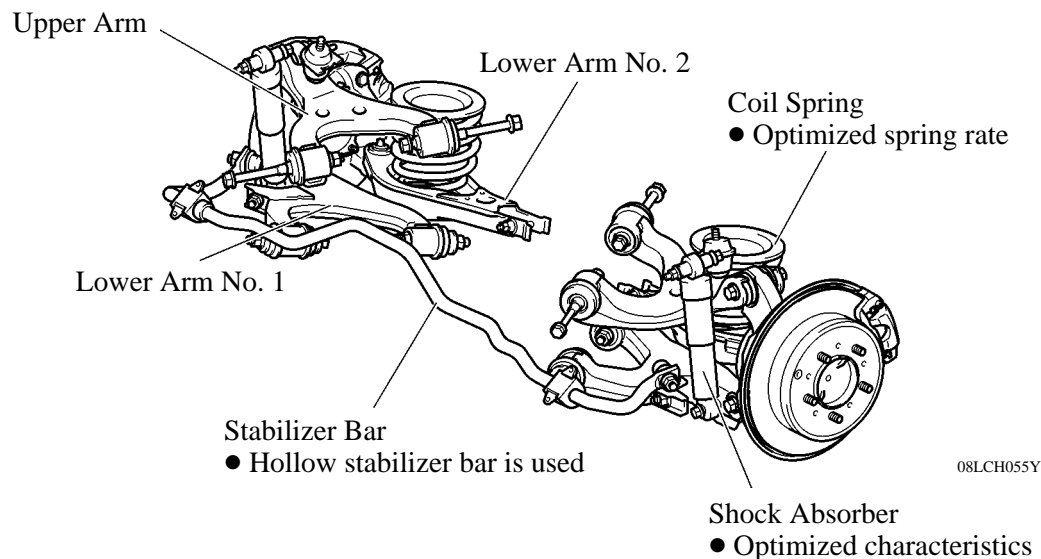
**Service Tip**

The camber and toe-in of the front suspension can be adjusted using the adjustment cams of the lower arms. For details, see the 2008 Sequoia Repair Manual (Pub. No. RM08L0U).

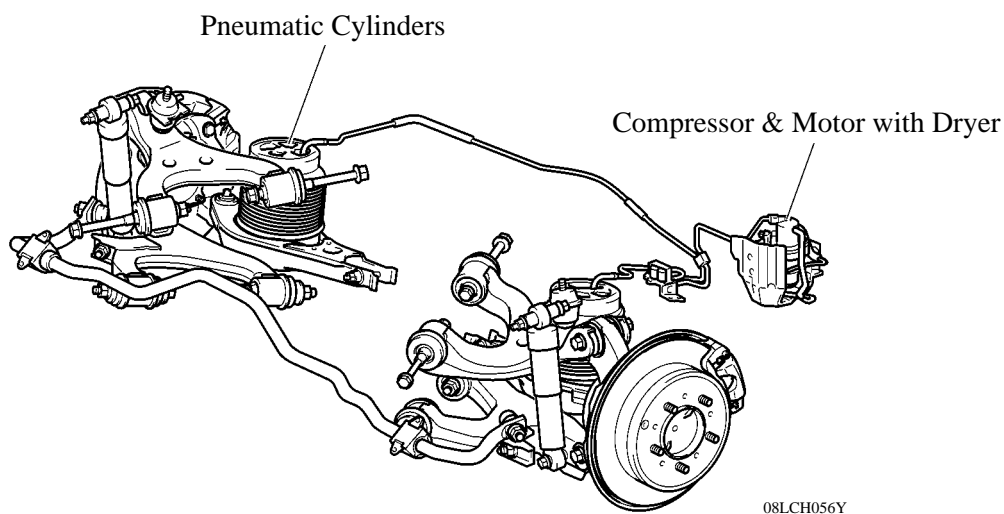


## ■ REAR SUSPENSION

Through the optimal allocation of components, the front suspension realizes excellent riding comfort and controllability.



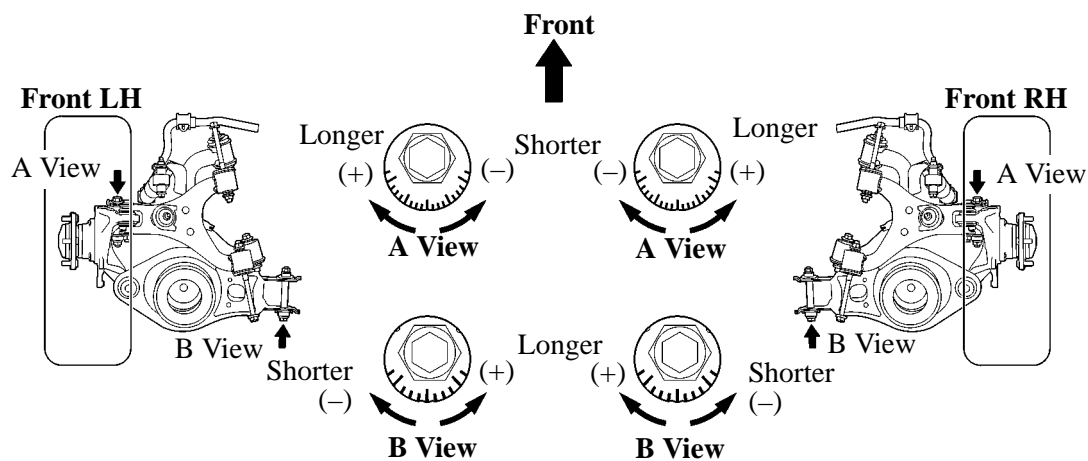
**Model without Air Suspension System**



**Model with Air Suspension System and AVS System**

**Service Tip**

The camber and toe-in of the rear suspension can be adjusted using the adjustment cams of the lower arms. For details, see the 2008 Sequoia Repair Manual (Pub. No. RM08L0U).



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