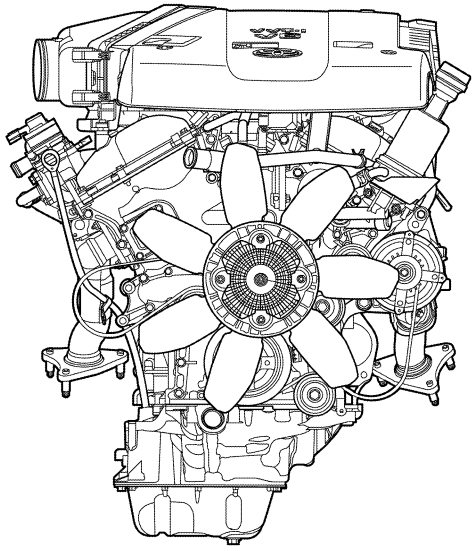
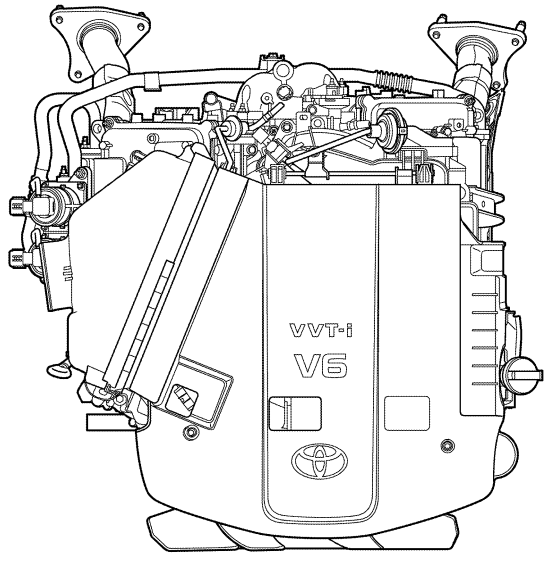
PERFORMANCE

Power Train

1GR-FE Engine



04E0MO65Z

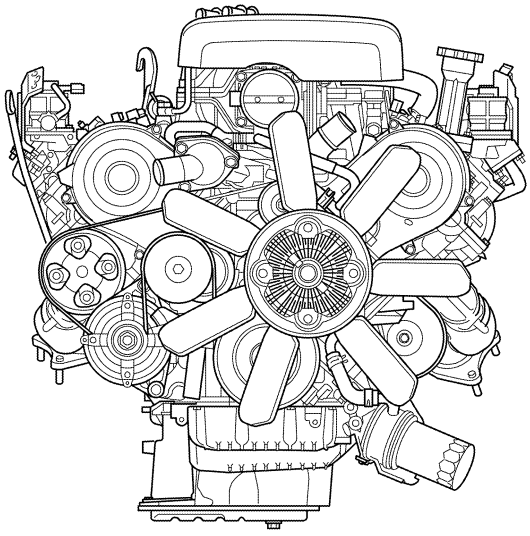


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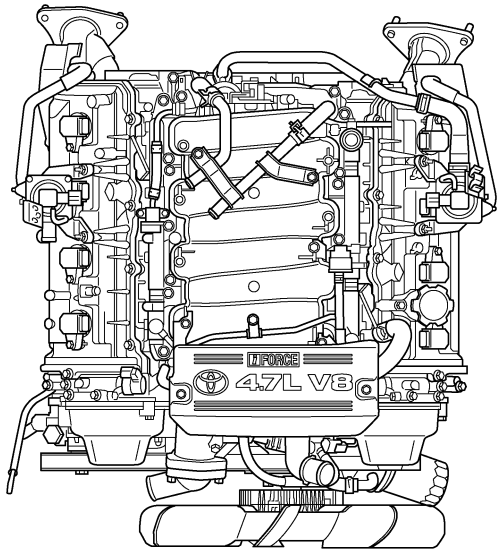
No. of Cyls. & Arrangement	6-Cylinder, V-Type
Valve Mechanism	24-Valve DOHC with VVT-i
Fuel System	SFI
Displacement	3956 cm^3 (241.4 cu. in.)
Max. Output*	176 kW@5200 rpm (236 HP@5200 rpm)
Max. Torque*	361 N·m@4000 rpm (266 ft·lbf@4000 rpm)

*: Maximum output and torque ratings are determined using the revised SAE J1349 procedure. For details, refer to “Major Technical Specifications”.

2UZ-FE Engine



04E0MO63Z

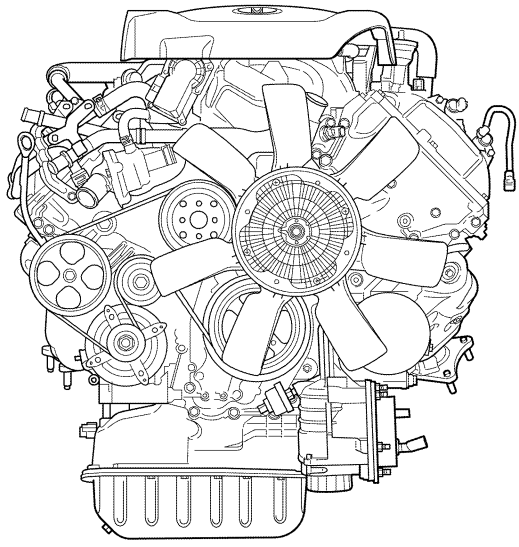


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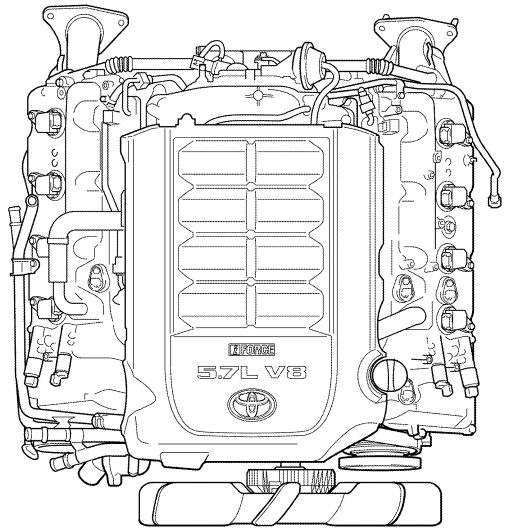
No. of Cyls. & Arrangement	8-Cylinder, V-Type
Valve Mechanism	32-Valve DOHC with VVT-i
Fuel System	SFI
Displacement	4664 cm^3 (284.5 cu. in.)
Max. Output*	202 kW@5400 rpm (271 HP@5400 rpm)
Max. Torque*	425 N·m@3400 rpm (313 ft·lbf@3400 rpm)

*: Maximum output and torque ratings are determined using the revised SAE J1349 procedure. For details, refer to “Major Technical Specifications”.

3UR-FE Engine



04E1MO02Z



04E1MO03Z

No. of Cyls. & Arrangement	8-cylinder, V-Type
Valve Mechanism	32-valve DOHC with Dual VVT-i
Fuel System	SFI
Displacement	5663 cm^3 (345.6 cu. in.)
Max. Output*	284 kW@5600 rpm (381 HP@5600 rpm)
Max. Torque*	544 N·m@3600 rpm (401 ft·lbf@3600 rpm)

*: Maximum output and torque ratings are determined using the revised SAE J1349 procedure. For details, refer to “Major Technical Specifications”.

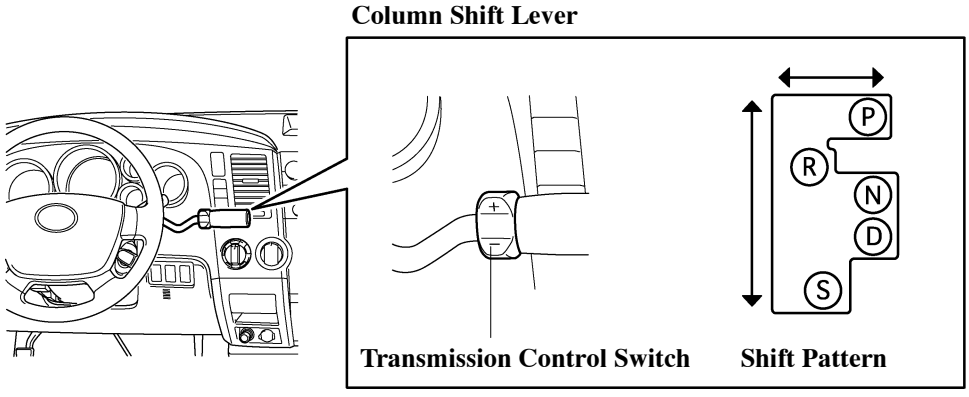
Dual VVT-i

The dual VVT-i (Variable Valve Timing-intelligent) system controls the opening and closing timing of the exhaust valves as well as that of the intake valves independently. The ECM continuously controls the opening and closing timing of the intake and exhaust valves based on engine speed and throttle valve opening angle to enhance intake and exhaust efficiency in the whole range of engine speeds.

Multi-mode Automatic Transmission

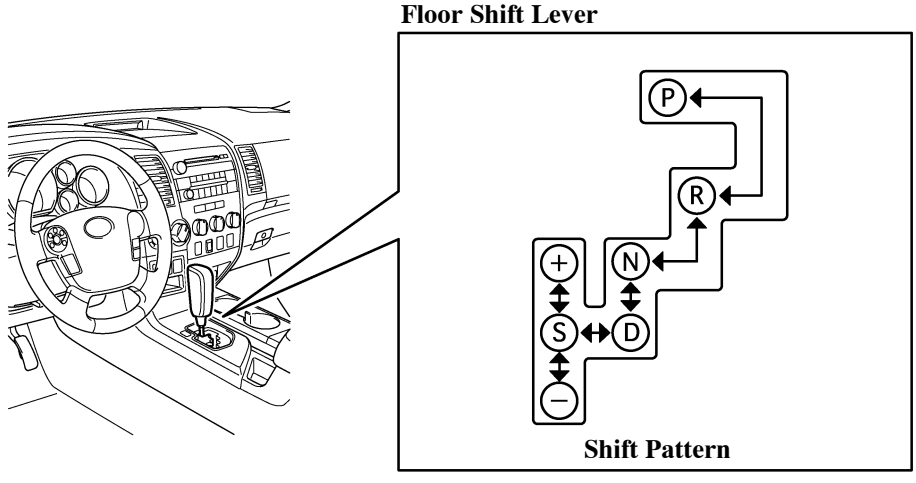
The multi-mode automatic transmission is used all models.

- The multi-mode automatic transmission for column shift enables manual shifting by changing shift ranges using the transmission control switch up (+) or down (-) in the S position.



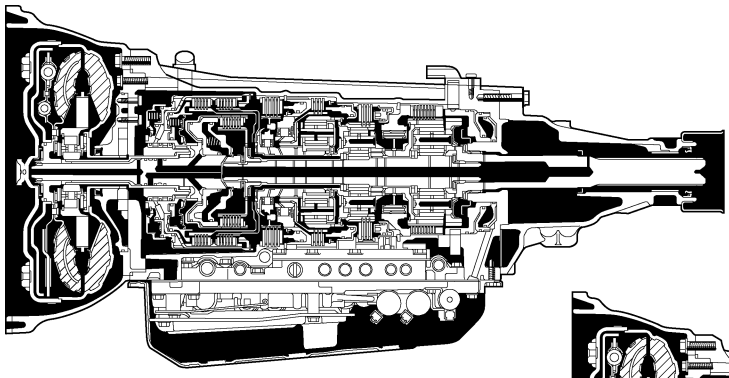
04E0MO53Z

- The multi-mode automatic transmission for floor shift enables manual shifting by changing shift ranges using the floor shift lever up (+) or down (-) in the S position.

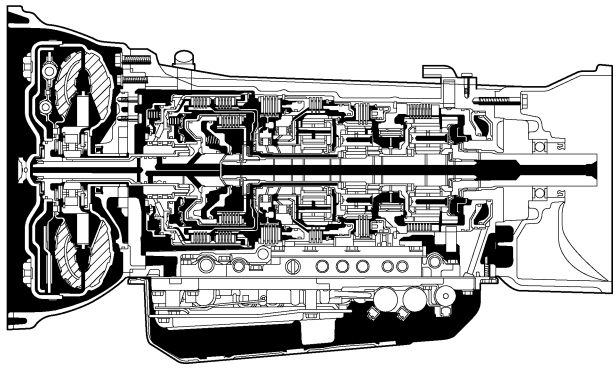


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A750E/A750F Automatic Transmissions



A750E Automatic Transmission

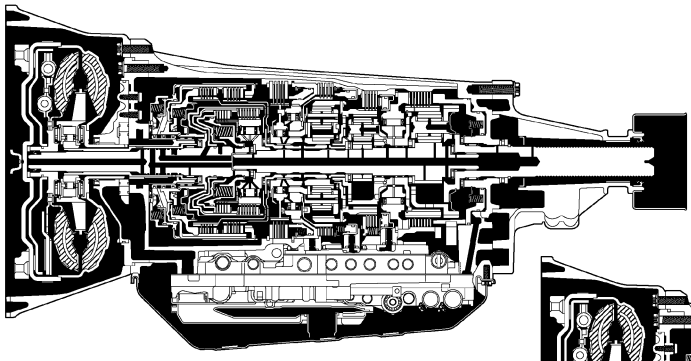


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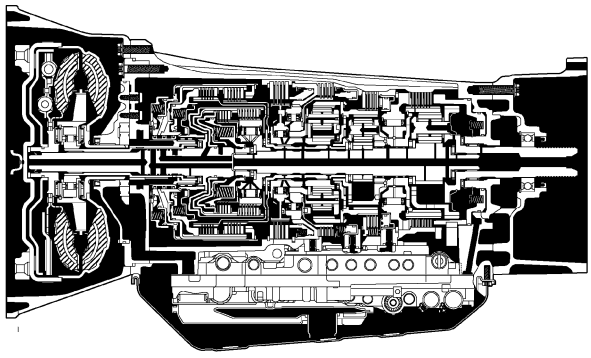
A750F Automatic Transmission

Combination with Engine		1GR-FE	2UZ-FE	
Transmission Type		A750E (2WD)	A750E (2WD)	A750F (4WD)
Combination with Transfer		-	-	JF1A (Part-time)
Gear Ratio	1st	3.520	3.520	3.520
	2nd	2.042	2.042	2.042
	3rd	1.400	1.400	1.400
	4th	1.000	1.000	1.000
	5th	0.716	0.716	0.716
	Reverse	3.224	3.224	3.224

AB60E/AB60F Automatic Transmissions



AB60E Automatic Transmission



04E1MO04Z

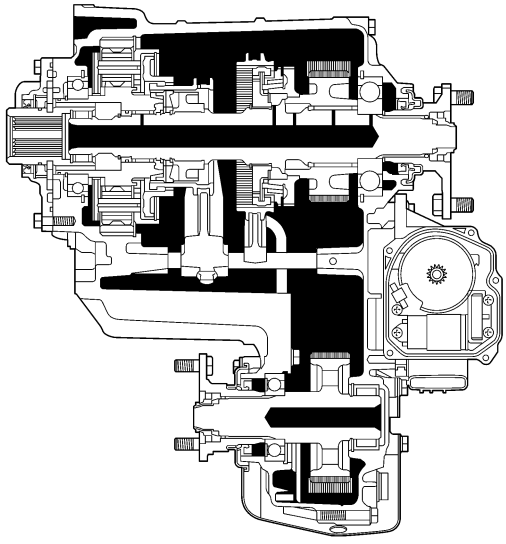
AB60F Automatic Transmission

Combination with Engine		3UR-FE	
Transmission Type		AB60E (2WD)	AB60F (4WD)
Combination with Transfer		-	JF1A (Part-time)
Gear Ratio	1st	3.333	3.333
	2nd	1.960	1.960
	3rd	1.353	1.353
	4th	1.000	1.000
	5th	0.728	0.728
	6th	0.588	0.588
	Reverse	3.061	3.061

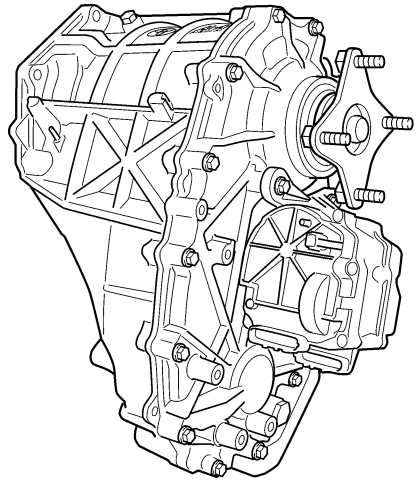
JF1A Transfer (4WD Models)

The JF1A transfer is a newly developed part-time 2-speed transfer.

- The planetary gear unit in the reduction mechanism uses a 6-pinion planetary gear set and a high rigidity chain to accommodate high engine torque.

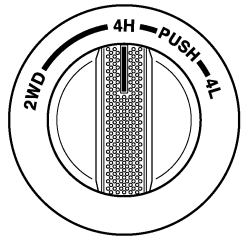


04E0MO56Z



04E0MO57Z

Transfer Type		JF1A
Combination with Transmission		A750F/AB60F
Gear Ratio	2WD/4H	1.000
	4L	2.618
A.D.D. (Automatic Disconnecting Differential)		With



4WD Control Switch

04E0MO58Z

Differential

Front Differential

Combination with Engine	2UZ-FE		3UR-FE	
Combination with Transmission	A750F		AB60F	
Deck	Others	Long	Others	Long
Type	SD22AD	SD22AD	SD22AD	SD22AD
Gear Ratio	3.909, 4.100*	4.100	4.100, 4.300*	4.300
Ring Gear Size	220 mm (8.7 in.)		220 mm (8.7 in.)	

*: Towing Package Models

Rear Differential

Combination with Engine	1GR-FE	2UZ-FE		3UR-FE	
Combination with Transmission	A750E	A750E/A750F		AB60E/AB60F	
Deck	-	Others	Long	Others	Long
Type	BD24B	BD24B		BD26B	
Gear Ratio	3.909	3.909, 4.100*	4.100	4.100, 4.300*	4.300
Ring Gear Size	241 mm (9.5 in.)	241 mm (9.5 in.)		266.7 mm (10.5 in.)	

*: Towing Package Models