

AWD

3270-00/3270-01/3271-00/3280-00/3280-01/3280-17

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AWD

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Modification basis	
Application basis	
Affected VIN	

GENERAL INFORMATION

1. SPECIFICATION

Unit	Description	Specification
PTU (Power Transfer Unit)	Gear ratio	2.929
	Numbers of helical gear	22/39
	Numbers of hypoid gear	23/38
	Weight	21.5 kg (with oil)
	Oil	LW 80W-90
	Oil capacity	0.6 L (600 ml)
	Operating temperature	-40 to 150°C
E-coupling	Maximum torque	1,000 Nm
	Operating temperature	-40 to 120°C
	Numbers of main clutch	Outer: 11, Inner: 11
	Numbers of pilot clutch	Outer: 4, Inner: 3
	Coil windings	240 turns
	Weight	8 kg
	Oil	ECF107 (ATF based EMCD special oil)
	Oil capacity	0.145 L (145 ml)

- CHASSIS GENERA
- 6-SPEED M/T
- CLUTCH
- PROPELLER
- DRIVE SHAFT
- AWD
- SUSPENSION
- BRAKE SYSTEM
- ANTI-LOCK
- ELECTRONIC
- POWER STEERING
- WHEEL
- undefined
- undefined

Modification basis	
Application basis	
Affected VIN	

OVERVIEW AND OPERATING PROCESS

1. OVERVIEW

The AWD system in this vehicle is the electronic 4WD system and controls the traction to rear wheels according to the driving conditions.

1) Driving Mode

(1) AUTO mode (Normal driving mode)

Normally the vehicle is in 2WD mode.

Automatically change to this mode when the vehicle needs higher traction.

(2) LOCK mode (when pressing 4WD LOCK switch)

- This mode provides the highest traction. Use this mode when driving on unpaved, rugged, steep, sandy, wet or slippery roads.
- In 4WD LOCK mode, if the rear wheel speed exceeds 40 km/h, 4WD LOCK mode is canceled and 4WD AUTO mode is activated (Indicator OFF). If the speed is decreased below 35 km/h, 4WD LOCK mode is resumed (Indicator ON again).



► Mode table

4WD LOCK switch	Vehicle speed	Driving mode
Not pressed (4WD AUTO)	No conditions	4WD AUTO
Pressed (4WD LOCK)	over 40 km/h	4WD AUTO
Pressed (4WD LOCK)	below 35 km/h	4WD LOCK

Modification basis	
Application basis	
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