

BRAKE SYSTEM

**4210-54/4810-01/4810-09/4830-01/4830-02
/4840-01/4841-01/4841-02/4850-00/4850-02
/4850-03/4850-09/4910-01**

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BRAKE SYSTEM

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GENERAL INFORMATION

1. SYSTEM OVERVIEW

1) Terms and Definition

- CBS: Conventional Brake System
- ABS: Anti-Lock Brake System
- EBD: Electronic brake-Force Distribution
- ESP: Electronic Stability Program
- ABD: Automatic Braking Differential
- ASR: Acceleration Slip Regulation
- AYC: Active Yaw Control (Understeer and Oversteer Control)
- HBA: Hydraulic Brake Assistant
- ARP: Active Rollover Protection
- HSA: Hill Start Assistant

2) Functions

Function	Vehicle with CBS	Vehicle with ABS/EBD	Vehicle with ESP
ABS	Not applied	Applied	Applied
EBD		Applied	
ABD		Not applied	
ASR			
AYC			
HBA			
ARP			
HSA			

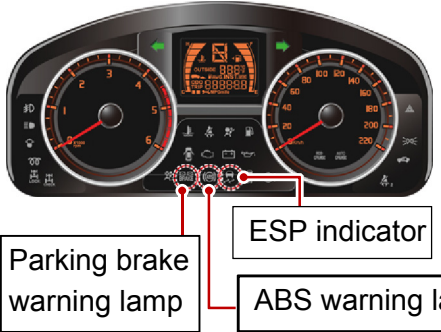


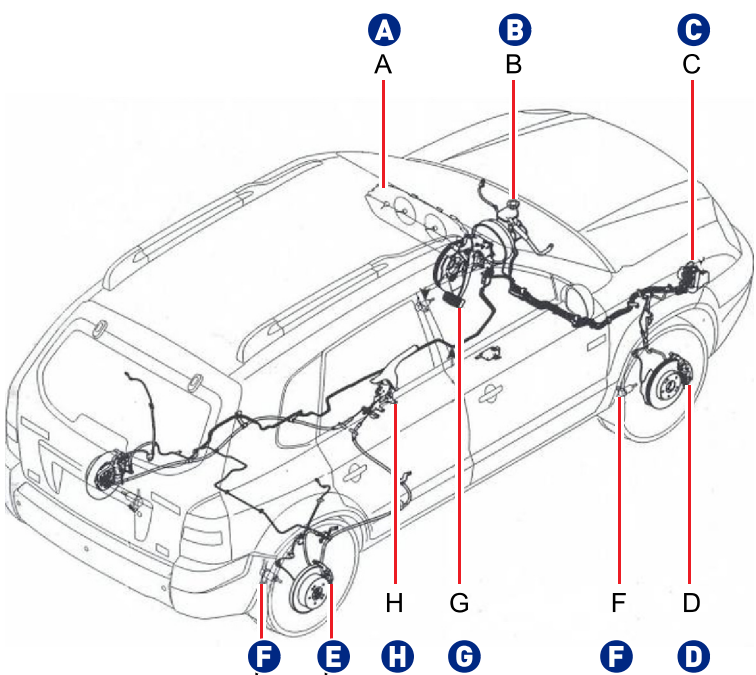
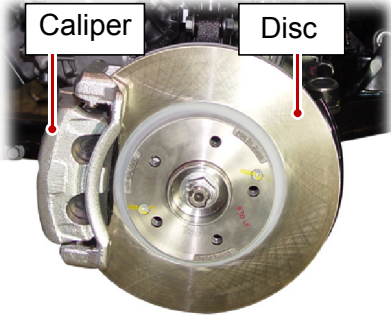
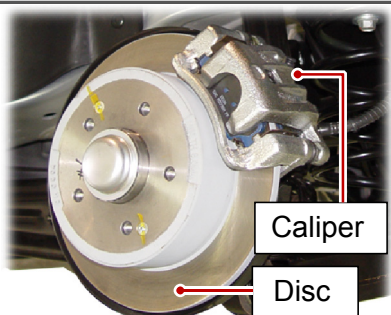
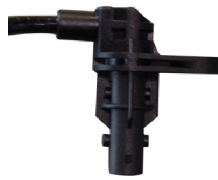



Modification basis	
Application basis	
Affected VIN	

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

3) Parts Arrangement

Part name	Vehicle with CBS	Vehicle with ABS/EBD	Vehicle with ESP
HECU	Not applied	Applied	Applied
Front wheel speed sensor			
Rear wheel speed sensor			
ABS warning lamp			
EBD indicator			
Longitudinal G sensor		2WD: N/A, 4WD: Applied	Not applied
Sensor cluster (Yaw rate sensor, lateral/longitudinal G sensor)		Not applied	Applied
ESP indicator			
ESP OFF switch and warning lamp			
Steering wheel angle sensor			

4) Component

A. Meter cluster-ABS, EBD, ESP indicator/warning lamp 		B. Master cylinder and booster 		C. HECU 			
						D. Front brake assembly 	
						E. Rear brake assembly 	
F. Front/rear wheel speed sensor Front/rear-4WD 		Rear-2WD 		G. Brake pedal 		H. Parking brake 	

Modification basis	
Application basis	
Affected VIN	

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