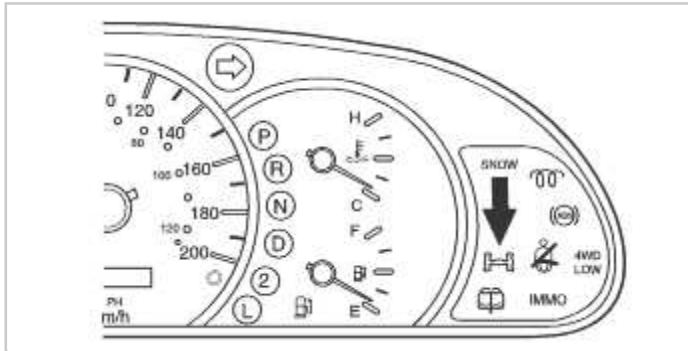


ELECTRIC SHIFT TRANSFER

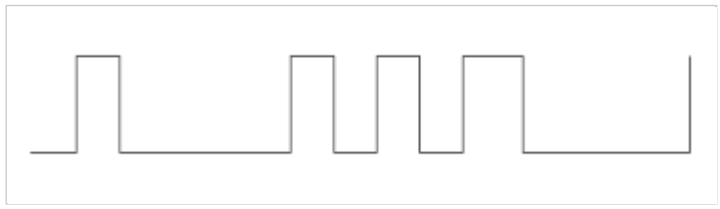
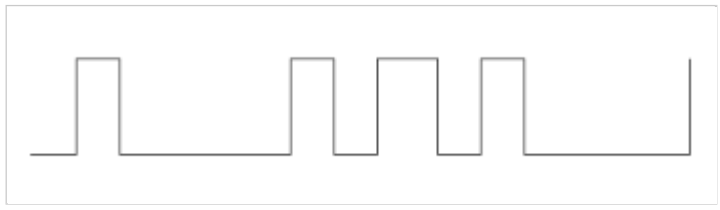
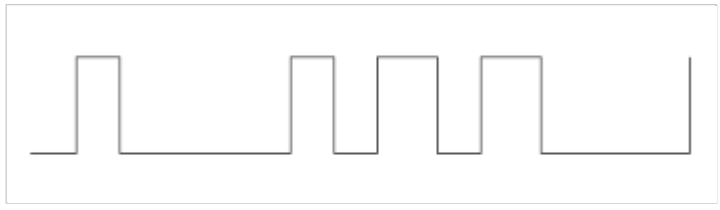
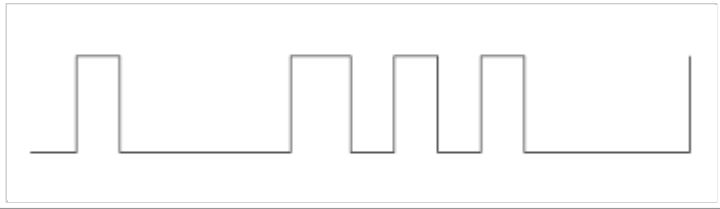
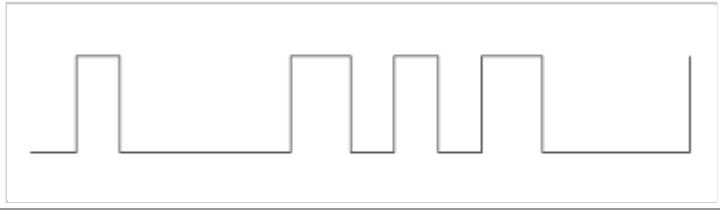
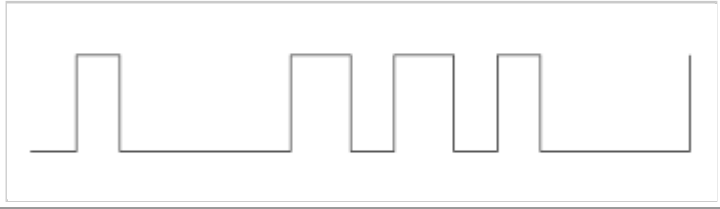
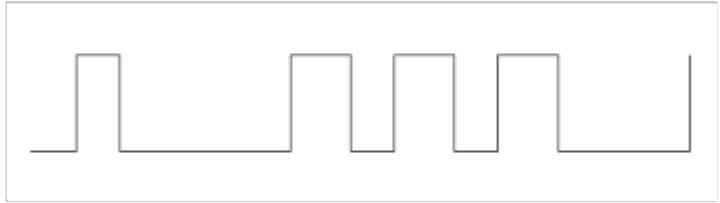
1. If a malfunction occurs, the 4WD indicator lamp will blink to warn the driver.



2. Following items will be indicated
 - (1) TCCM
 - (2) Shift motor
 - (3) Magnetic synchronizer clutch
 - (4) Speed sensor
 - (5) Hub solenoid
 - (6) Selector switch
 - (7) Motor position sensor
3. Diagnosis memory is erased by grounding the TCCM NO.22 pin or DLC NO.12 pin.
4. DTC Table

Code	Item
001	TCCM
010	Shift motor
011	Synchronizer clutch
100	Speed sensor
101	Hub solenoid
110	Selector switch
111	Motor position sensor

5. DTC Indication
 - (1) Indicator lamp check (0.6S)
 - (2) Lamp OFF (3S)
 - (3) DTC Indication
 - (4) OFF (3S)
 - (5) Repeat steps 3), 4)
 - (6) Repeat steps 3), 4), 5) for additional faults.
6. Meaning of code
 - 0 : Lamp ON for 0.5 second
 - 1 : Lamp ON for 1 second
7. EX) TCCM Fault (DTC : 001)
 - (1) Indicator lamp check (0.6S)
 - (2) Lamp OFF (3S)
 - (3) Lamp ON (0.5S)

		
010		Shift motor
011		Magnetic synchronizer clutch
100		Speed sensor
101		Hub solenoid valve
110		Select switch
111		Motor position sensor

ACTIVE TORQUE TRANSFER

DTC	Content
P1725	TOD CONTROL MODULE(CHECKSUM) ERROR
P1726	THROTTLE POSITION INPUT - LOSS OF SIGNAL
P1727	THROTTLE POSITION INPUT - OUT OF RANGE
P1728	EMC - OPEN/SHORT TO BATTERY

P1729	EMC - SHORT TO GROUND
P1730	FRONT SPEED SENSOR - LOW INPUT
P1731	FRONT SPEED SENSOR - HIGH INPUT
P1732	REAR SPEED SPEED SENSOR - LOW INPUT
P1733	REAR SPEED SPEED SENSOR - HIGH INPUT
P1734	SPEED SENSOR REFERENCE - LOW INPUT
P1735	SPEED SENSOR REFERENCE - HIGH INPUT
P1736	SHIFT MOTOR - OPEN
P1737	SHIFT MOTOR - OPEN/SHORT TO GROUND
P1738	SHIFT SYSTEM TIMEOUT
P1739	GENERAL POSITION ENCODER FAULT
P1740	POSITION 1 - SHORT TO GROUND
P1741	POSITION 2 - SHORT TO GROUND
P1742	POSITION 3 - SHORT TO GROUND
P1743	POSITION 4 - SHORT TO GROUND

DTC Memory Erase

DTC memory in case of the Active Torque Transfer type is erased by the Hi-Scan.