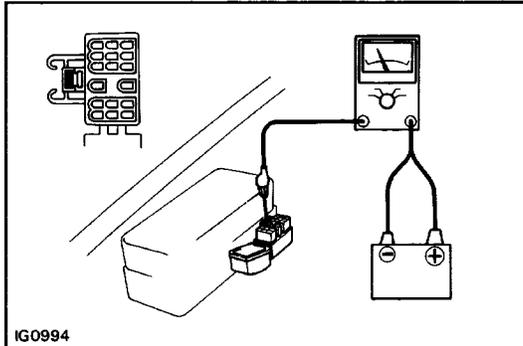


7. INSPECT TRANSFER POSITION SWITCH

If necessary, carry out the following adjustment procedures.

- (a) Loosen the transfer position switch bolt and set the transfer shift lever to the H4 position.
- (b) Align the groove and H4 basic line.
- (c) Hold in position and tighten the bolt.

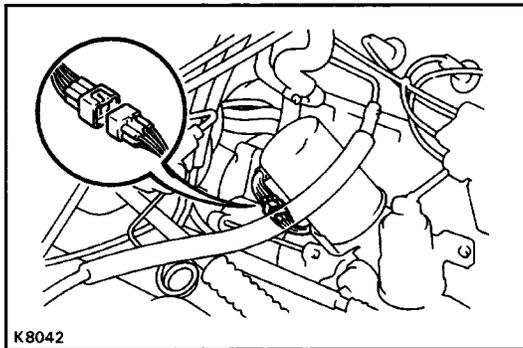
Torque: 13 N. m (130 kgf.cm, 9 ft. lbf)



8. INSPECT IDLE SPEED (N POSITION)

Connect a tachometer test probe to the data link connector 1 terminal IG (3, inspect the idle speed.

Idle speed: 800 RPM



Manual Shifting Test

HINT: With this test, it can be determined whether the trouble lies within the electrical circuit or is a mechanical problem in the transmission.

- 1. DISCONNECT SOLENOID WIRE**
- 2. INSPECT MANUAL DRIVING OPERATION**

Check that the shift and gear positions correspond with the table below.

Shift position	Transmission					Transfer (Reference)		
	D position	2 position	L position	R position	P position	H2 position	H4 position	L4 position
Gear position	O/D	3rd	1 st	Reverse	Pawl Lock	High Gear 2W D	High Gear 4WD	High Gear 4WD

HINT: If the L, 2 and D position gear positions are difficult to distinguish, perform the following road test.

- While driving, shift through the L, 2 and D positions. Check that the gear change corresponds to the shift position.
- If any abnormality is found in the above test, the problem lies in transmission itself.

- 3. CONNECT SOLENOID WIRE**
- 4. CANCEL OUT DIAGNOSTIC TROUBLE CODE**
(See page AT-111)

REFERENCE: Possible gear positions in accordance with solenoid operating conditions.

Position	NORMAL			NO. 1 SOLENOID MALFUNCTIONING			NO.2 SOLENOID MALFUNCTIONING			BOTH SOLENOIDS MALFUNCTIONING		
	Solenoid Valve		Gear Position	Solenoid Valve		Gear Position	Solenoid Valve		Gear Position	Solenoid Valve		Gear Position
	No. 1	No. 2		No. 1	No. 2		No. 1	No. 2		No. 1	No.2	
D position	ON	OFF	1 st	X	ON	3rd	ON	X	1st	X	X	O/D
	ON	ON	2nd	X	ON	3rd	OFF	X	O/D	X	X	O/D
	OFF	ON	3rd	X	ON	3rd	OFF	X	O/D	X	X	O/D
	OFF	OFF	O/D	X	OFF	O/D	OFF	X	O/D	X	X	O/D
2 position	ON	OFF	1 st	X	ON	3rd	ON	X	1st	X	X	3rd
	ON	ON	2nd	X	ON	3rd	OFF	X	3rd	X	X	3rd
	OFF	ON	3rd	X	ON	3rd	OFF	X	3rd	X	X	3rd
L position	ON	OFF	1st	X	OFF	1st	ON	X	1 st	X	X	1st
	ON	ON	2nd	X	ON	2nd	ON	X	1 st	X	X	1st

X: Malfunctions