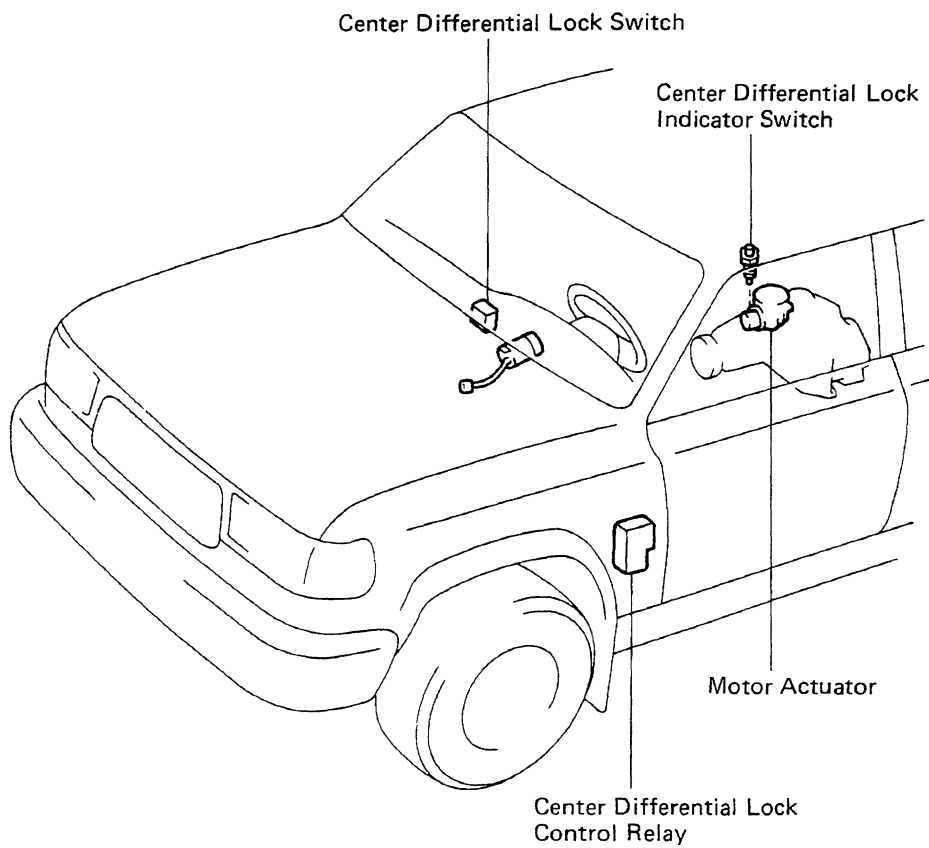
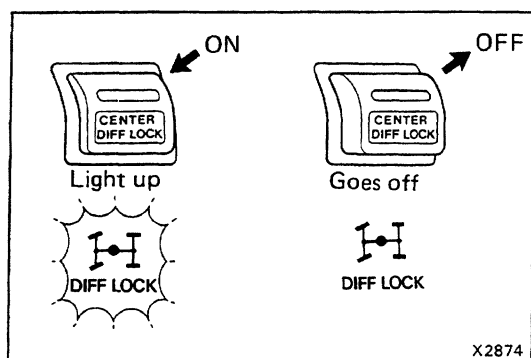


MOTOR SHIFT CONTROL SYSTEM PARTS LOCATION





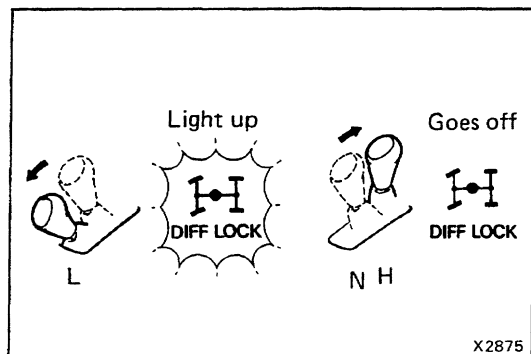
SYSTEM INSPECTION

1. INSPECT CENTER DIFFERENTIAL LOCK SWITCH

- (a) Start the engine and shift the transfer shift lever in H position.
- (b) Check that the center differential lock indicator light comes on when the center differential lock switch is turned ON.

Check that the light goes off when the switch OFF.

HINT: There are times when the light will not go off unless the steering is straight ahead and acceleration and deceleration are performed slowly.



2. INSPECT SHIFT LEVER POSITION

- (a) Start the engine, and center differential lock switch turned to OFF.
- (b) Check that the center differential indicator light comes on when the transfer shift lever shifted to L position. Check that the light goes off when the lever is shifted to N or H position.

PARTS INSPECTION

1. INSPECT CENTER DIFFERENTIAL LOCK CONTROL RERAY

- (a) Check that there is continuity between terminals as shown in the chart.

1	2	3	4	5	6	7	9	10
○	○							
	○		○					
					○	○		

HINT: There is a diode between terminals 6 and 7. If the circuit shown no continuity, change the positive (+) and negative (-) probes and recheck the circuit.

- (b) Apply battery voltage between terminals and check that there is continuity between terminals as shown in the chart.

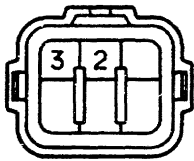
Terminal Battery voltage		1	2	3	4	5	6	7	8	9	10
+	-										
6	5		○	○							
7	2									○	○
9	10			○	○						

○—○: Continuity

○×○: No continuity

If continuity is not as specified, replace the relay.

Motor Actuator Side



IS-6-2

2. INSPECT MOTOR ACTUATOR

- (a) Using an ohmmeter, measure the resistance between terminals 2 and 3.

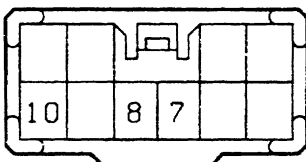
Standard resistance: 0.3 – 100Ω

- (b) Using an ohmmeter, measure the resistance between terminals 2 or 3 and body ground.

Standard resistance: More than 0.5 MΩ

If resistance value is not as specified, replace the motor actuator.

Wire Harness Side



S-10-2

3. INSPECT CENTER DIFFERENTIAL LOCK SWITCH

Check that there is continuity between terminals as shown in the chart.

Terminal Switch position	7	10	8
OFF	○	○	
ON	○		○

If continuity is not as specified, replace the switch.

4. INSPECT CENTER DIFFERENTIAL LOCK INDICATOR SWITCH

(See step 4 on page [TF-11](#))