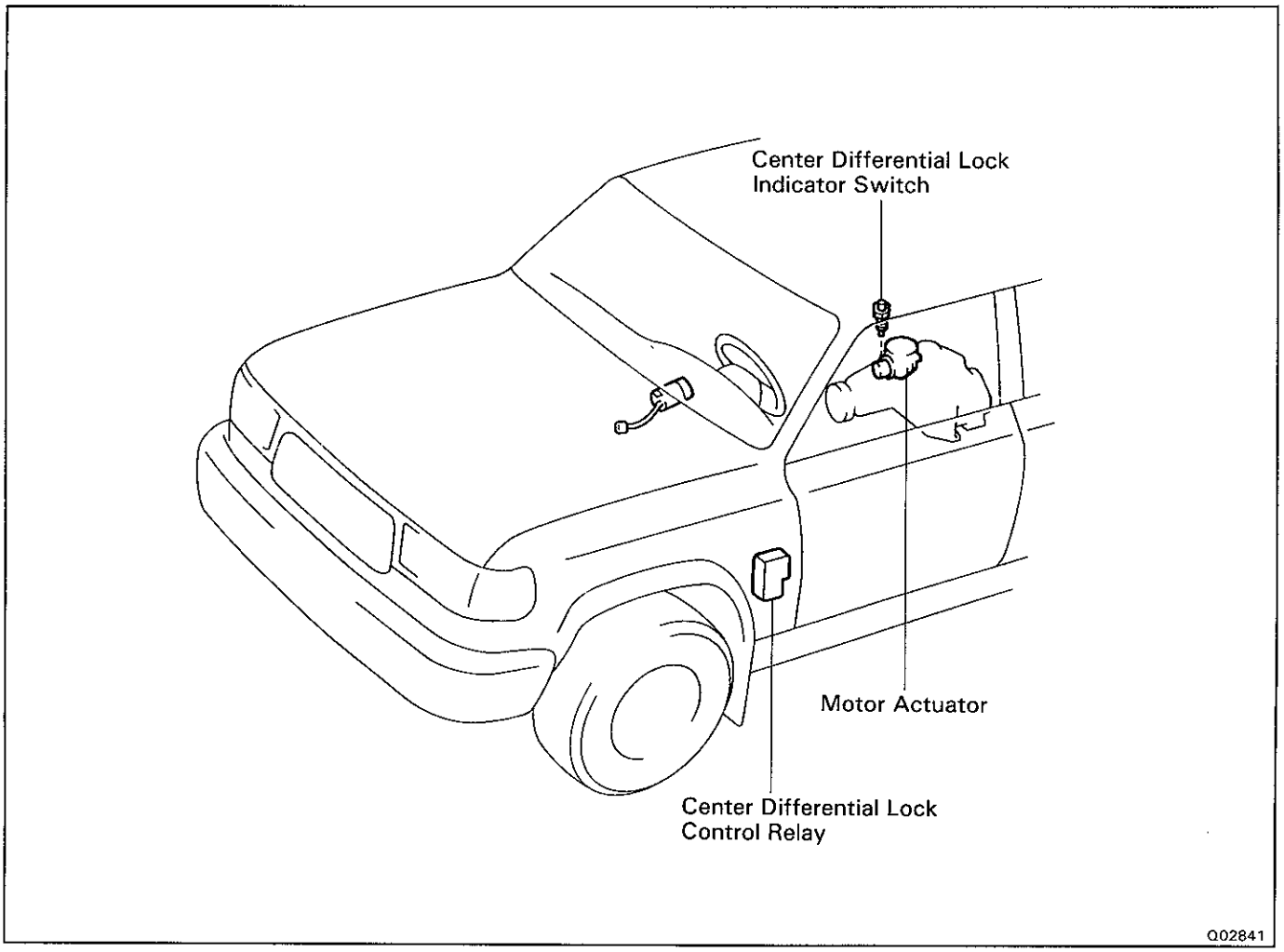
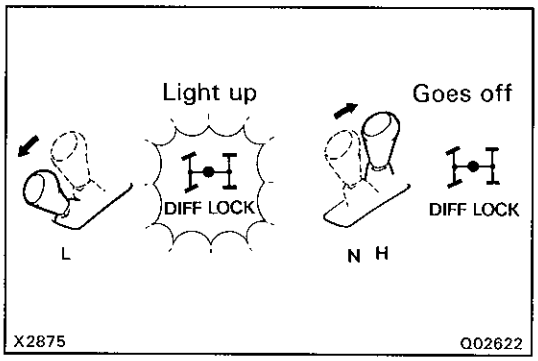
MOTOR SHIFT CONTROL SYSTEM

PARTS LOCATION





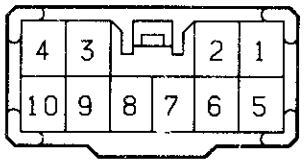
SYSTEM INSPECTION

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.

Wire Harness Side

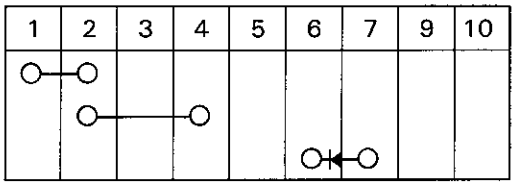


S-10-2 Q02618

PARTS INSPECTION

1. INSPECT CENTER DIFFERENTIAL LOCK CONTROL RELAY

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



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.

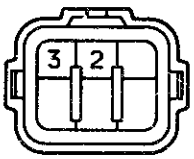
(b) Apply battery voltage between terminals and check that there is continuity between terminals as shown in the chart.

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 Q02619

2. INSPECT MOTOR ACTUATOR

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

Standard resistance: 0.3 — 100 Ω

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

Standard resistance: More than 0.5 Ω

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