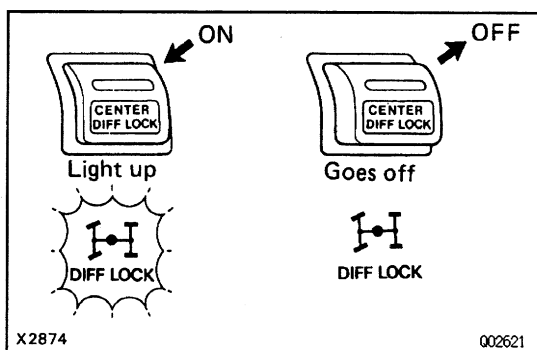
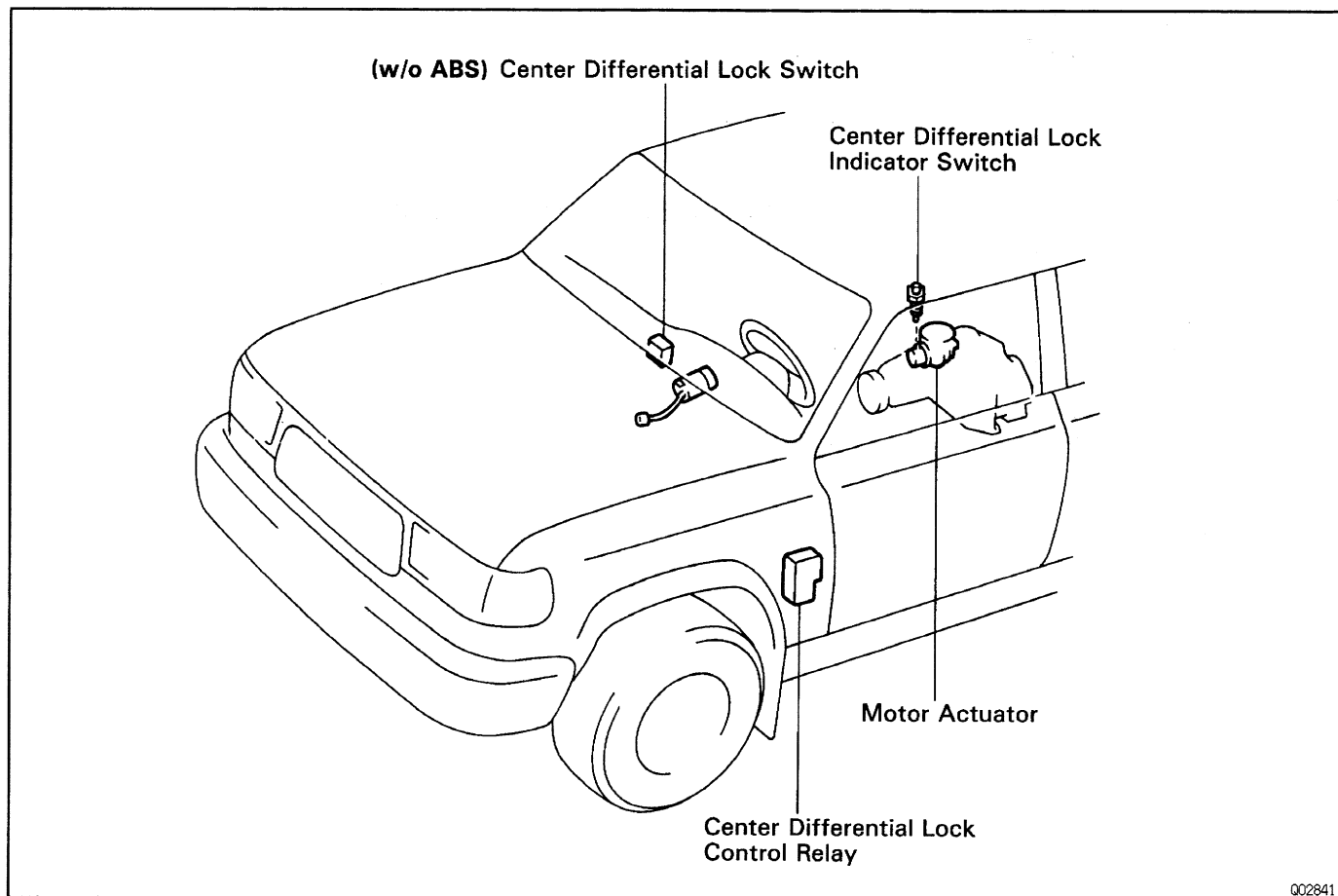


MOTOR SHIFT CONTROL SYSTEM

PARTS LOCATION



SYSTEM INSPECTION

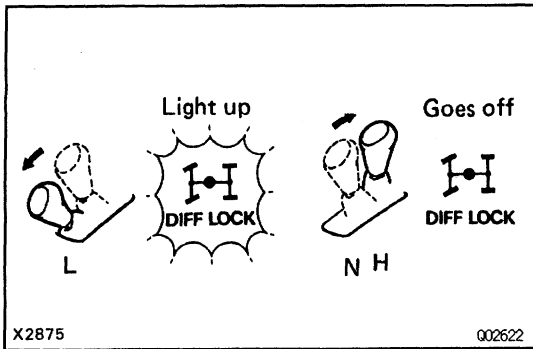
1. w/o ABS:

INSPECT CENTER DIFFERENTIAL LOCK SWITCH

- Start the engine and shift the transfer shift lever in H position.
- 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 is turned 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.

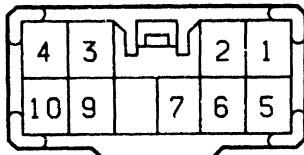


2. INSPECT SHIFT LEVER POSITION

(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.

Wire Harness Side



PARTS INSPECTION

TR026-02

1. INSPECT CENTER DIFFERENTIAL LOCK CONTROL RELAY

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

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

V01699

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.

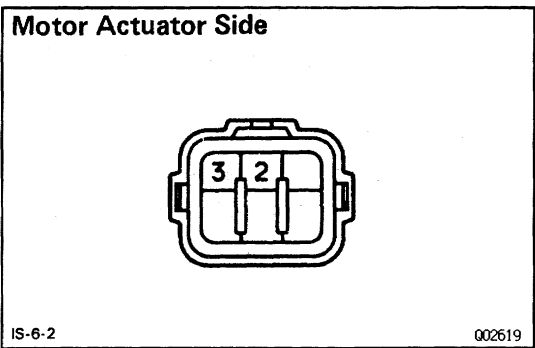
(b) Apply battery voltage between terminals and check that there is continuity between terminals as shown in the chart.

Terminal		1	2	3	4	5	6	7	8	9	10
Battery voltage											
⊕	⊖										
6	5	○	○	○							
7	2									○	○
9	10			○	○						

○—○ Continuity
○×○ No continuity

V01700

If continuity is not as specified, replace the relay.



2. INSPECT MOTOR ACTUATOR

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

3. STANDARD RESISTANCE:

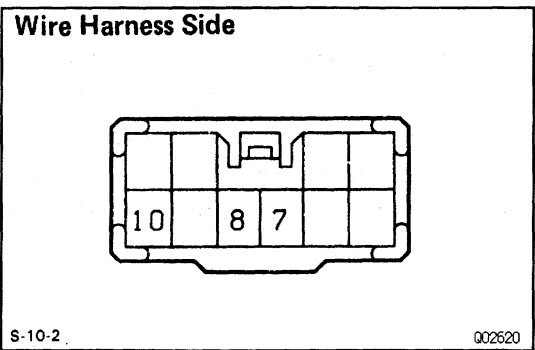
0.3– 100Ω

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

Standard resistance:

More than 0.5Ω

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



3. w/o ABS:

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	○		○

V01701

If continuity is not as specified, replace the switch.