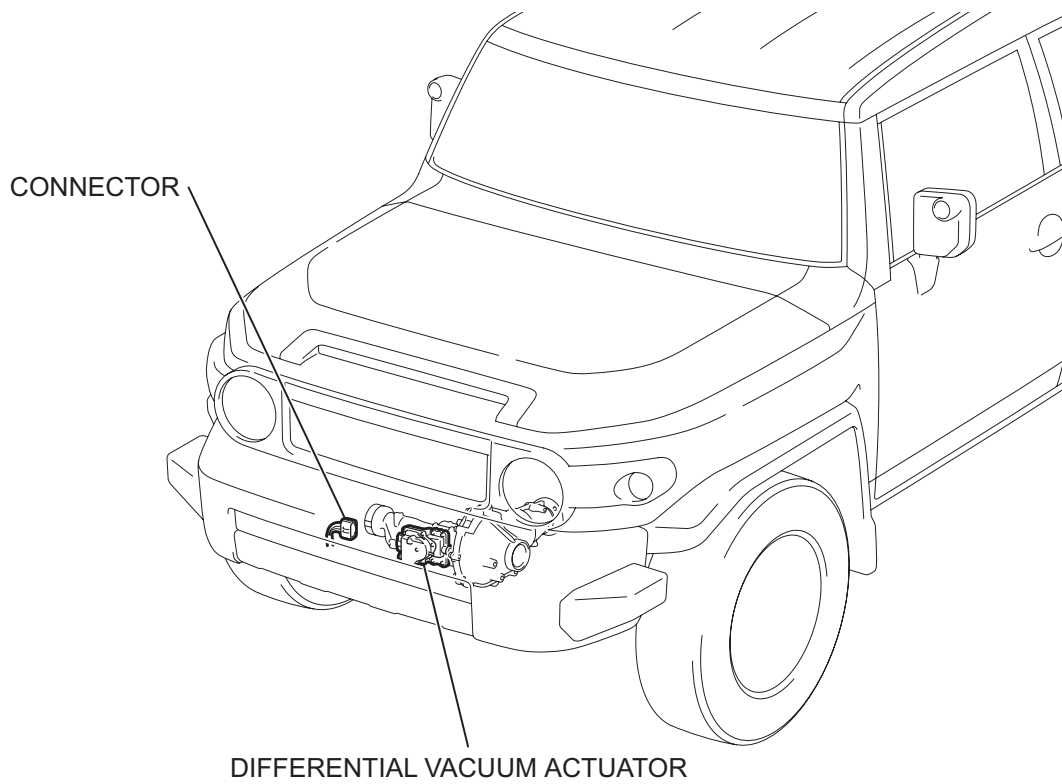
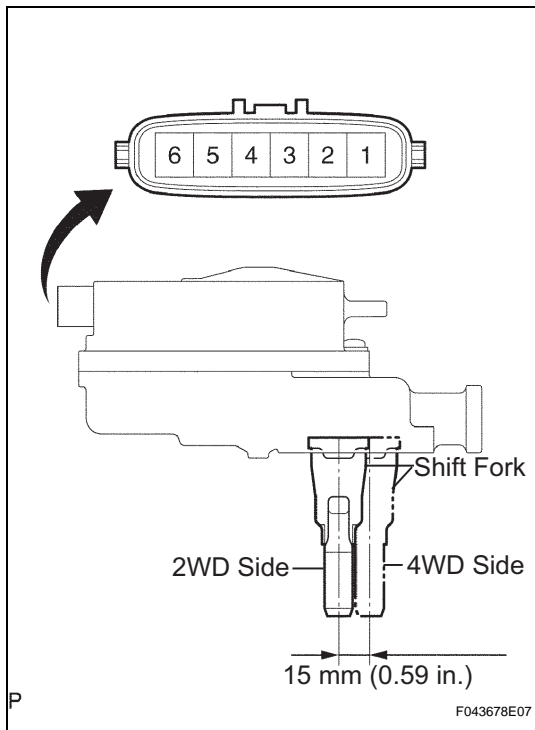


DIFFERENTIAL VACUUM ACTUATOR

PARTS LOCATION



DF



INSPECTION

1. INSPECT DIFFERENTIAL VACUUM ACTUATOR ASSEMBLY

- (a) Measure the resistance between terminals 1 and 2.
Standard resistance:
0.1 to 100 Ω
- (b) Measure the resistance between terminal 1 or 2 and body ground.
Standard resistance:
5 M Ω or more
If the result is not as specified, replace the differential vacuum actuator.
- (c) Check the actuator using one of the following methods.
 - (1) Measure the resistance of the actuator.

Standard resistance

Tester Connection	Measurement Condition	Specified Condition
3 to 4	Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	Below 1 Ω
3 to 4	Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	10 k Ω or more
4 to 5	Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	Below 1 Ω
4 to 5	Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	10 k Ω or more
4 to 6	Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	Below 1 Ω
4 to 6	Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	10 k Ω or more

If the result is not as specified, replace the actuator.

- (2) Check the actuator status.

Actuator operation

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	2WD → 4WD
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	4WD → 2WD

If the result is not as specified, replace the actuator.