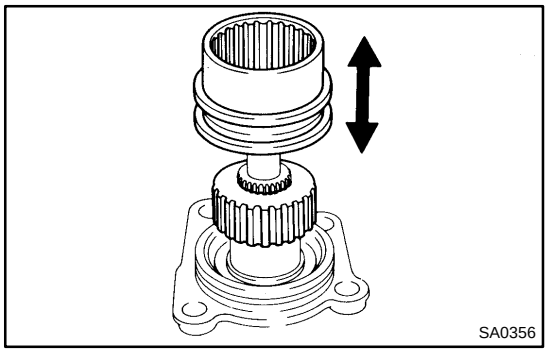
SA22N-01

INSPECTION

HINT:

First judge that the malfunction is found in A.D.D. control system or in 2 - 4 selector system (See page TR-49).

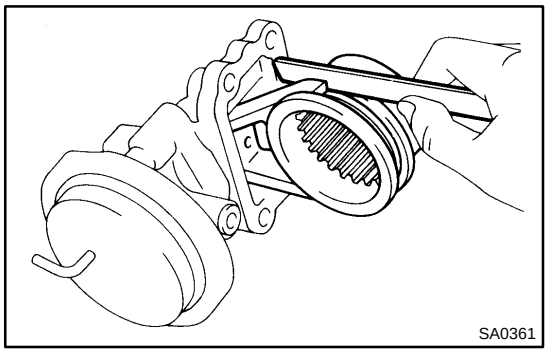


1. INSPECT CLUTCH HUB AND CLUTCH SLEEVE

(a) Check the wear and damage of the clutch hub and clutch sleeve.

If necessary, replace them.

(b) Check that clutch sleeve slides smoothly on the clutch hub.



2. MEASURE CLEARANCE OF SLEEVE FORK AND CLUTCH SLEEVE

Using a feeler gauge, measure the clearance between the sleeve fork and clutch sleeve.

Maximum clearance: 0.35 mm (0.0138 in.)

If the clearance exceeds the maximum, replace the fork or sleeve

3. INSPECT A.D.D. ACTUATOR

(a) Disconnect the actuator connector.

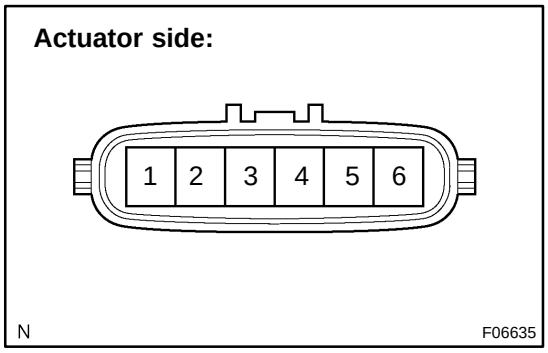
(b) Measure the resistance between the terminals 2 and 6.

Standard resistance: 0.3 - 100 Ω

(c) Measure the resistance between the terminals 2 or 6 and body ground.

Standard resistance: More than 0.5 MΩ

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



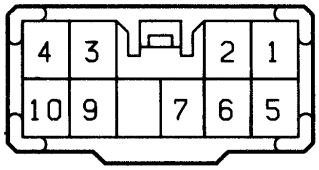
4. INSPECT A.D.D. ACTUATOR OPERATION

Apply battery positive voltage between the terminal 2 or 6, and check the actuator operation by sound, A.D.D. status and continuity between the terminal 3 and 4.

Battery voltage applied terminal	3-4 terminals continuity	A.D.D. status
2 (+) - 6 (-)	Continuity	Connected
2 (-) - 6 (+)	No continuity	Disconnected

If the operation is not as specified, replace the actuator assembly.

Relay side:



Z15367

5. INSPECT A.D.D. RELAY

(a) Check the continuity between each terminal, as shown in the chart.

Tester connected terminal number	Specified condition
1 - 2	Continuity
2 - 4	Continuity
6 - 7	*

*: There is a diode between the terminals 6 and 7. If no continuity exists, check that continuity exists when changing the position of ⊕ probe for the position of negative ⊖ probe of tester.

(b) Apply battery positive voltage between each terminal and check the continuity between each terminal, as shown in the chart.

Battery voltage applied terminal	Tester connected terminal number	Specified condition
6 (+) - 5 (-)	1 - 3 1 - 2	Continuity No continuity
7 (+) - 2 (-)	9 - 10	No continuity
9 (+) - 10 (-)	3 - 4 2 - 4	Continuity No continuity

If continuity is not as specified, replace the relay.

6. INSPECT TRANSFER 4WD POSITION SWITCH (See page TR-11 or TR-18)

7. REMOVE A.D.D. ACTUATOR (See page SA-30)

8. INSPECT CLUTCH HUB AND CLUTCH SLEEVE

Check the clutch hub and clutch sleeve for wear and damage. If necessary, replace them.