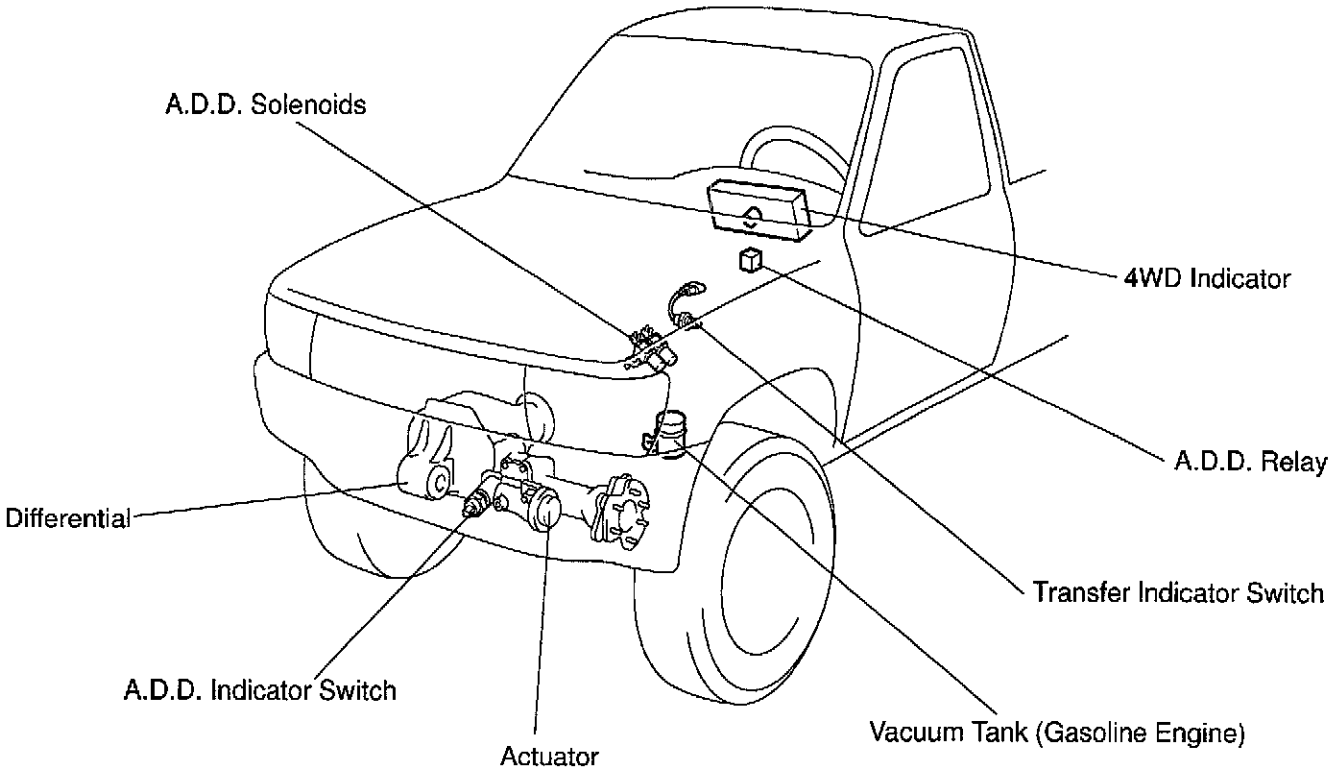
A.D.D. CONTROL SYSTEM

LOCATION

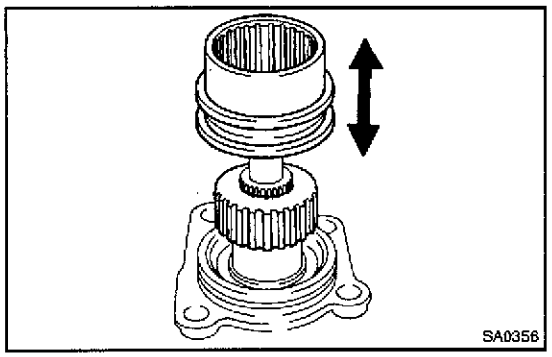
SA0N1G-01



F01743

SA0MH 01

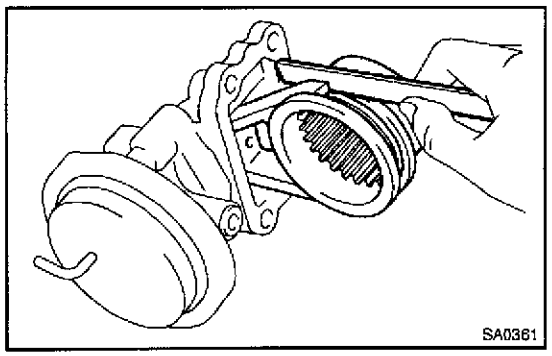
INSPECTION



1. INSPECT CLUTCH HUB AND CLUTCH SLEEVE

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

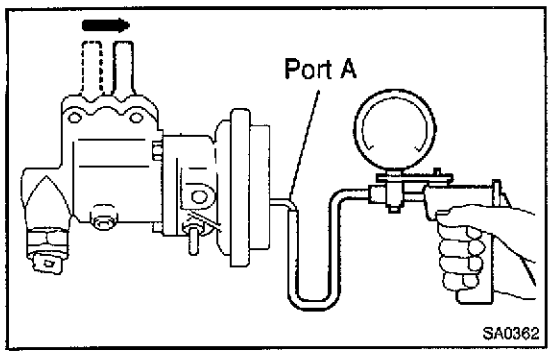
(b) Check that clutch sleeve slides smoothly on the clutch hub.



2. MEASURE CLEARANCE OF SLEEVE FORK AND CLUTCH SLEEVE

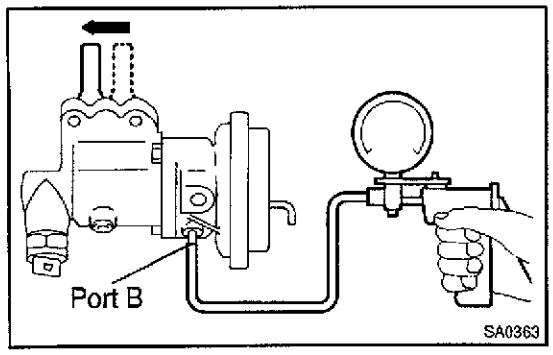
Using a feeler gauge, measure the clearance between the sleeve fork and the clutch sleeve.

Maximum clearance: 0.35 mm (0.0138 in.)

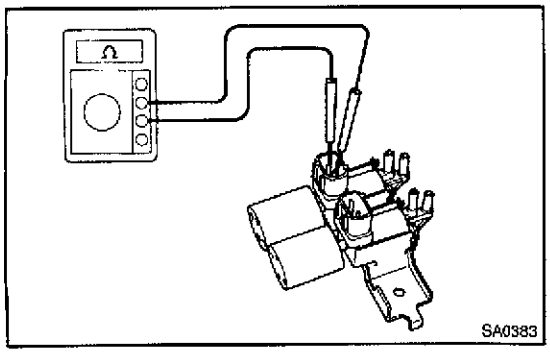


3. INSPECT A.D.D. ACTUATOR

(a) Check that the sleeve fork moves to the actuator side when a vacuum of 66.7 kPa (500 mmHg, 19.69 in.Hg) is applied to the port A. Also check that the vacuum remains constant.



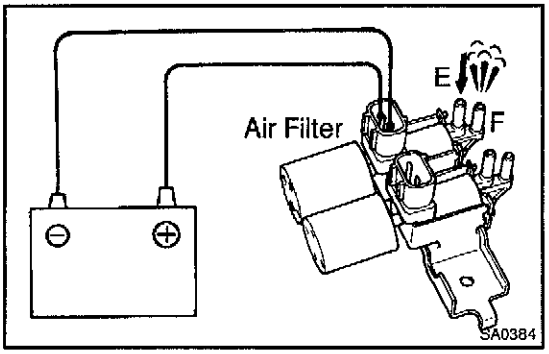
(b) Check that the sleeve fork moves away from the actuator when a vacuum of 66.7 kPa (500 mmHg, 19.69 in.Hg) is applied to port B. Also check that the vacuum remains constant.



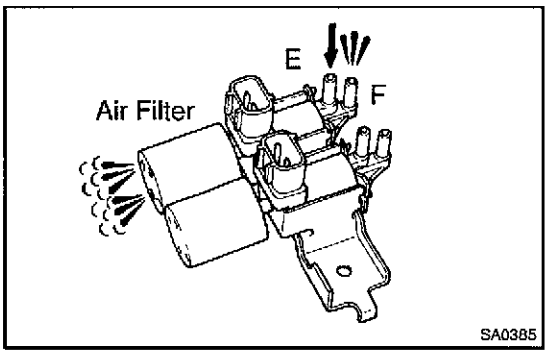
4. INSPECT A.D.D. SOLENOIDS

(a) Using an ohmmeter, measure the resistance of the solenoids.

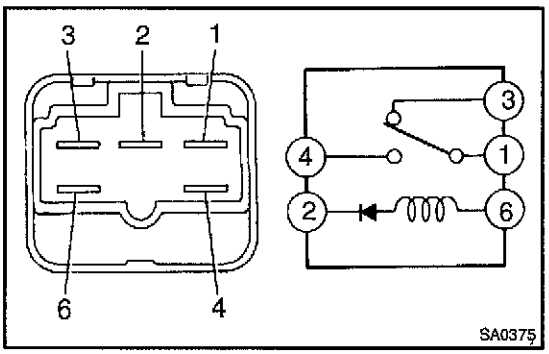
Resistance: 37 – 44 Ω



(b) Connect the battery to the solenoid.
Check that air flows from the port E to port F.
Check that air does not flow from the port E to the air filter.



(c) Disconnect the battery positive voltage from the solenoid.
Check that air flows from the port E to the air filter.
Check that air does not flow from the port E to port F.



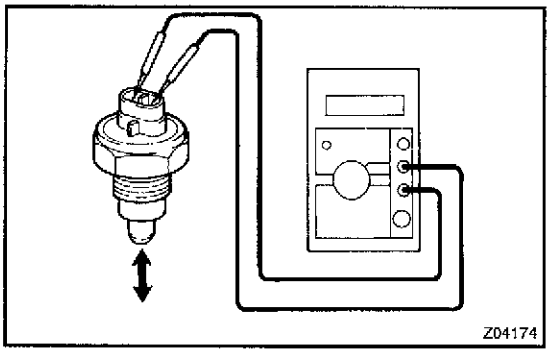
5. INSPECT A.D.D. RELAY

(a) Using an ohmmeter, check that continuity exists between terminals 1 and 3.

(b) Using an ohmmeter, check that continuity exists between terminals 2 and 6.

(c) Connect the positive (+) lead from the battery to terminal 6 and the negative (–) lead to terminal 2.

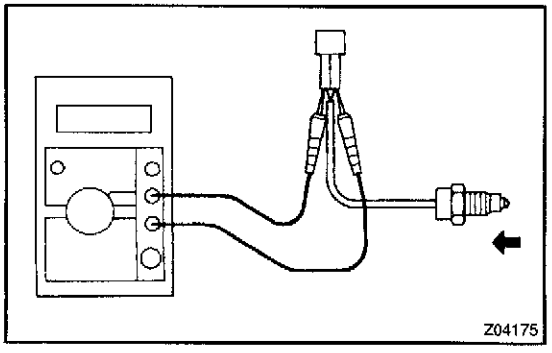
(d) Using an ohmmeter, check that continuity exists between terminals 1 and 4.



6. INSPECT A.D.D. INDICATOR SWITCH

(a) Using an ohmmeter, check that continuity exists between terminals when the switch is pushed (differential connected position).

(b) Using an ohmmeter, check that continuity doesn't exists when the switch is free (differential disconnected position).



7. INSPECT TRANSFER INDICATOR SWITCH

(a) Using an ohmmeter, check that continuity exists between terminals when the switch is pushed (transfer 4WD position).

(b) Using an ohmmeter, check that continuity exists between terminals when switch is free (transfer H2 position).