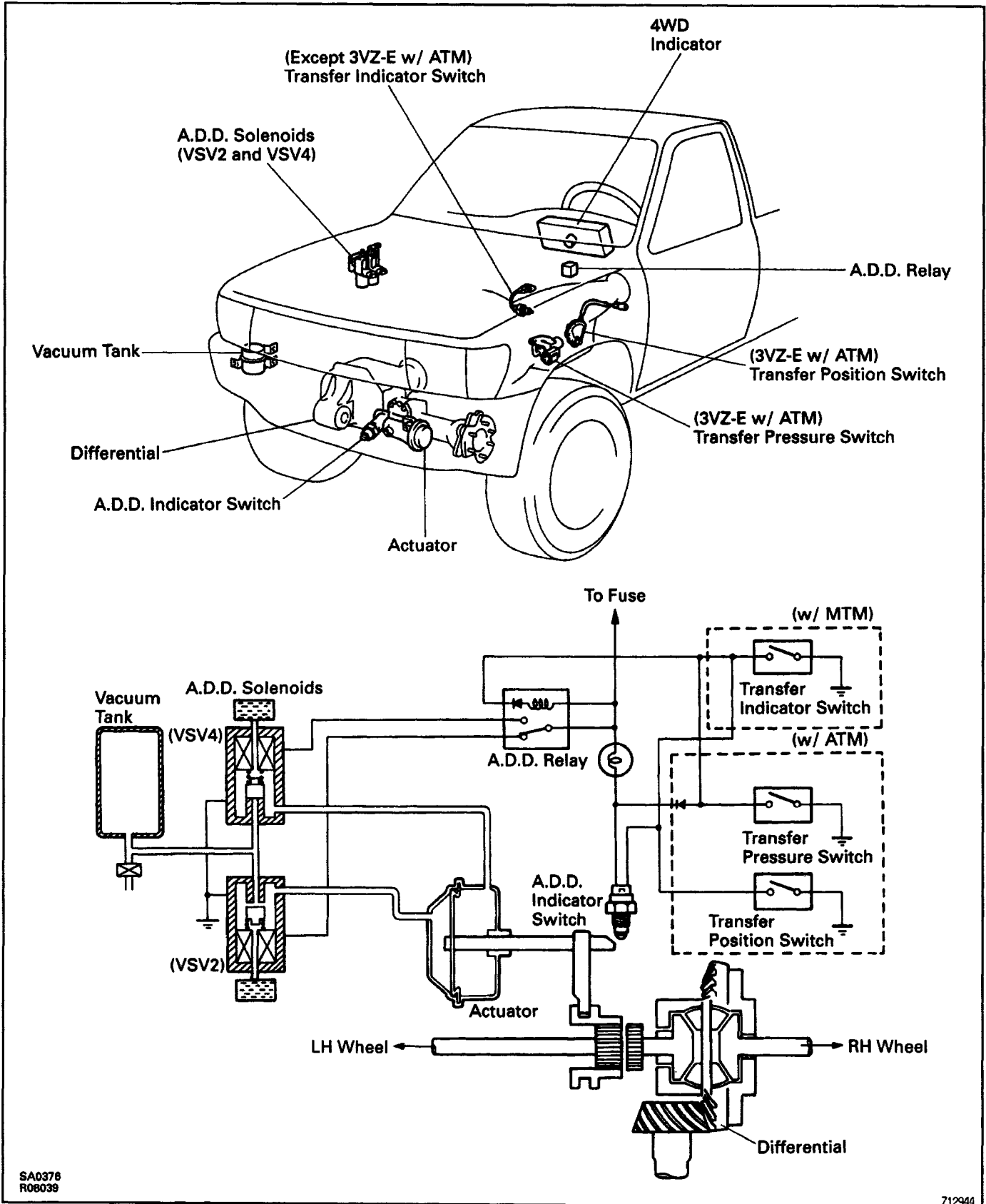
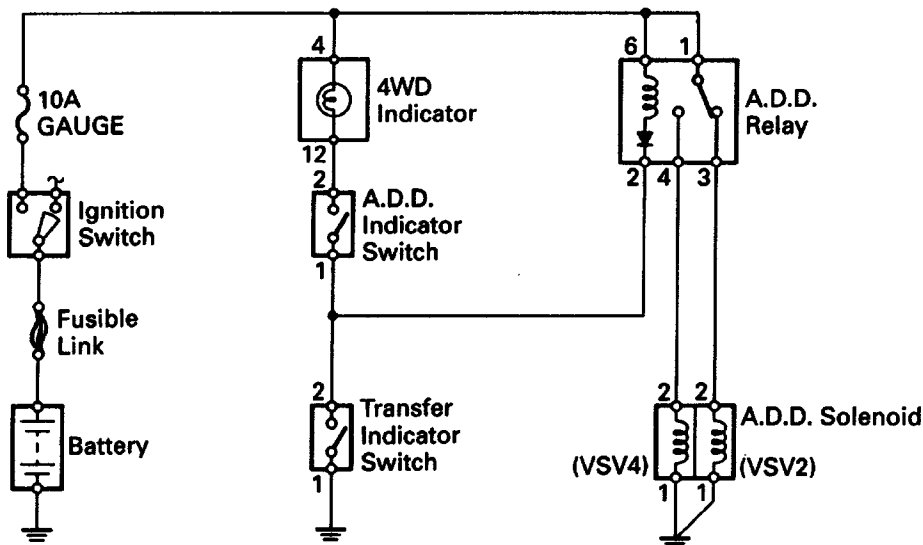


A.D.D. CONTROL SYSTEM COMPONENTS

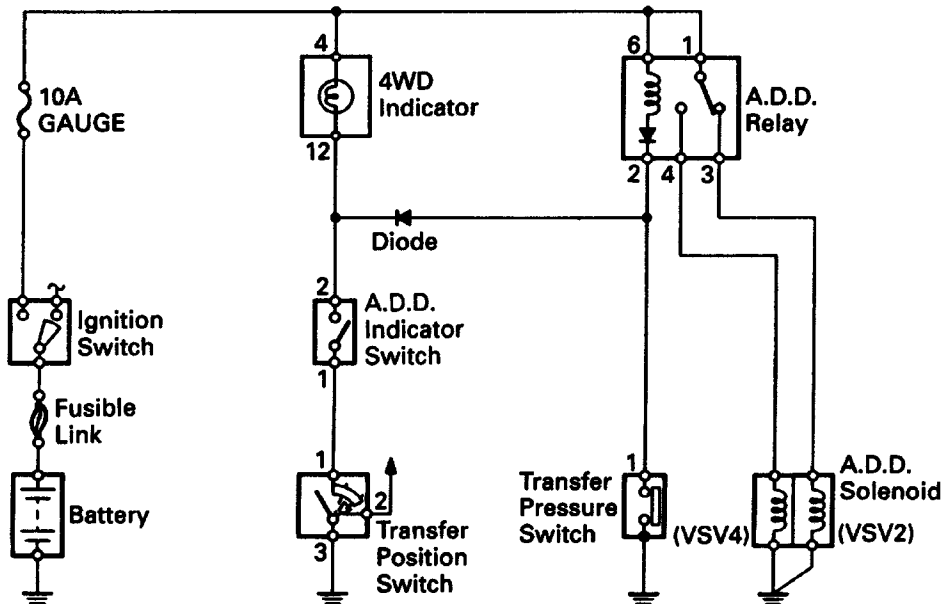


WIRING DIAGRAM

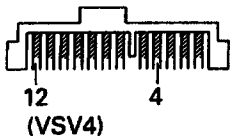
[Except 3VZ-E w/ ATM]



[3VZ-E w/ ATM]



4WD Indicator
(Comb. Meter)



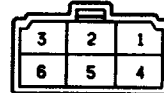
A.D.D. Indicator
Switch



(Except 3VZ-E w/ ATM)
Transfer Indicator Switch



A.D.D. Relay



A.D.D. Solenoids

(3VZ-E w/ ATM)
Transfer Pressure Switch



(3VZ-E w/ ATM)
Transfer Position Switch



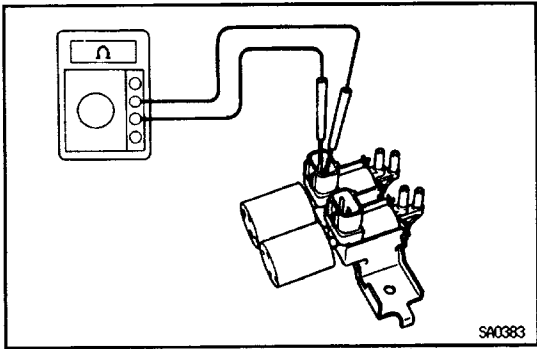
SA3152
SA3153
BE1266 IS-2-2-E IS-2-2-G H-6-2
IS-2-2-P SA0379 Q-1-2 IS-3-2-A

COMPONENTS INSPECTION

1. INSPECT A.D.D. SOLENOIDS

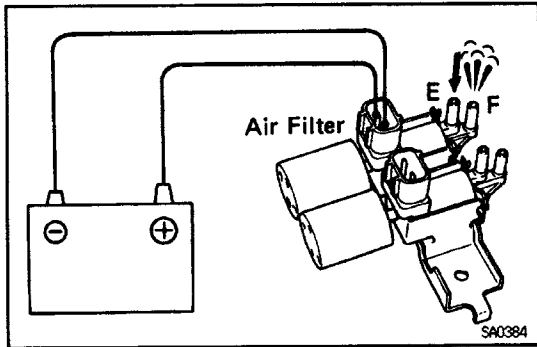
(a) Measure the resistance of the solenoids.

Resistance:
37 -44Ω



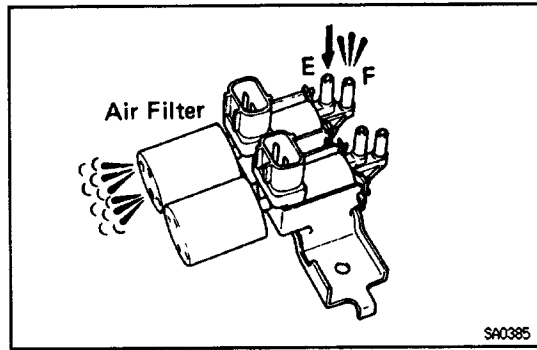
(b) Connect the battery to the solenoid.

Check that air flow from the port E to port F.
Check that air does not flow from the port E to the air filter.



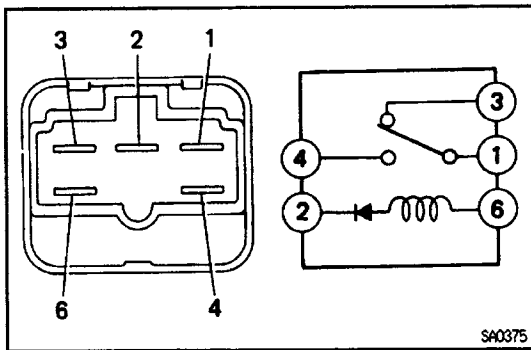
(c) Disconnect the battery positive voltage from the solenoid.

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.



2. INSPECT A.D.D. RELAY

Continuity

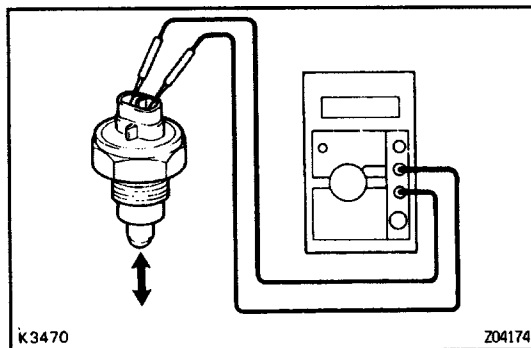


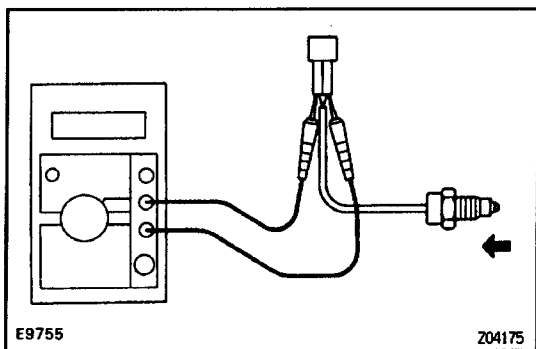
Terminal Condition	1	2	3	4	6
Constant		○	◀	—	○
Apply battery positive voltage to terminals 5 and 2.	○			○	

3. INSPECT A.D.D. INDICATOR SWITCH

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

(b) Using an ohmmeter, check that there is no continuity when the switch is free (differential disconnected position).

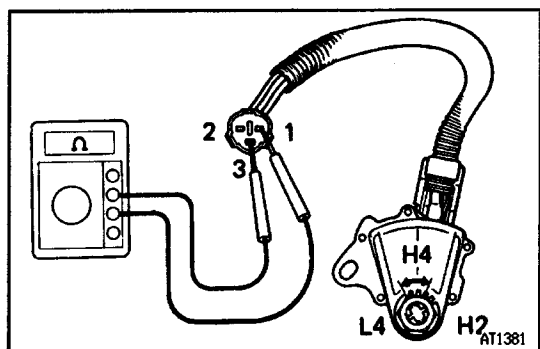




4. Except 3VZ-E w/ATM:

INSPECT TRANSFER INDICATOR SWITCH

- Using an ohmmeter, check that there is continuity between terminals when the switch is pushed (transfer 4WD position).
- Using an ohmmeter, check that there is no continuity between terminals when the switch is free (transfer H 2 position).

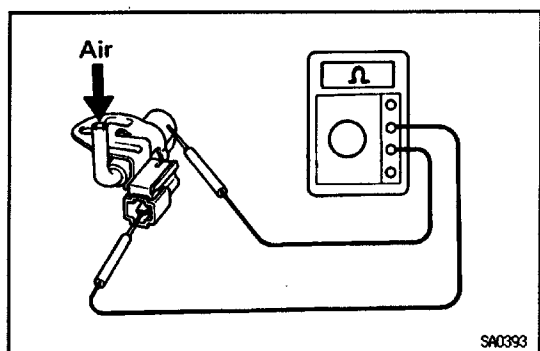


5. 3vz - E w/ ATM:

INSPECT TRANSFER POSITION SWITCH

Using an ohmmeter-, check that there is continuity between each terminal.

Terminal	1	2	3
Transfer position			
H4	○	○	○
L4	○	○	○
H2			



6. 3VZ - E w/ ATM:

INSPECT TRANSFER PRESSURE SWITCH

While blowing compressed air (294 kPa, 43 psi, 3.0 kg/cm²) into the switch, using an ohmmeter, check the continuity between the terminal and switch body.

Resistance:

0Ω