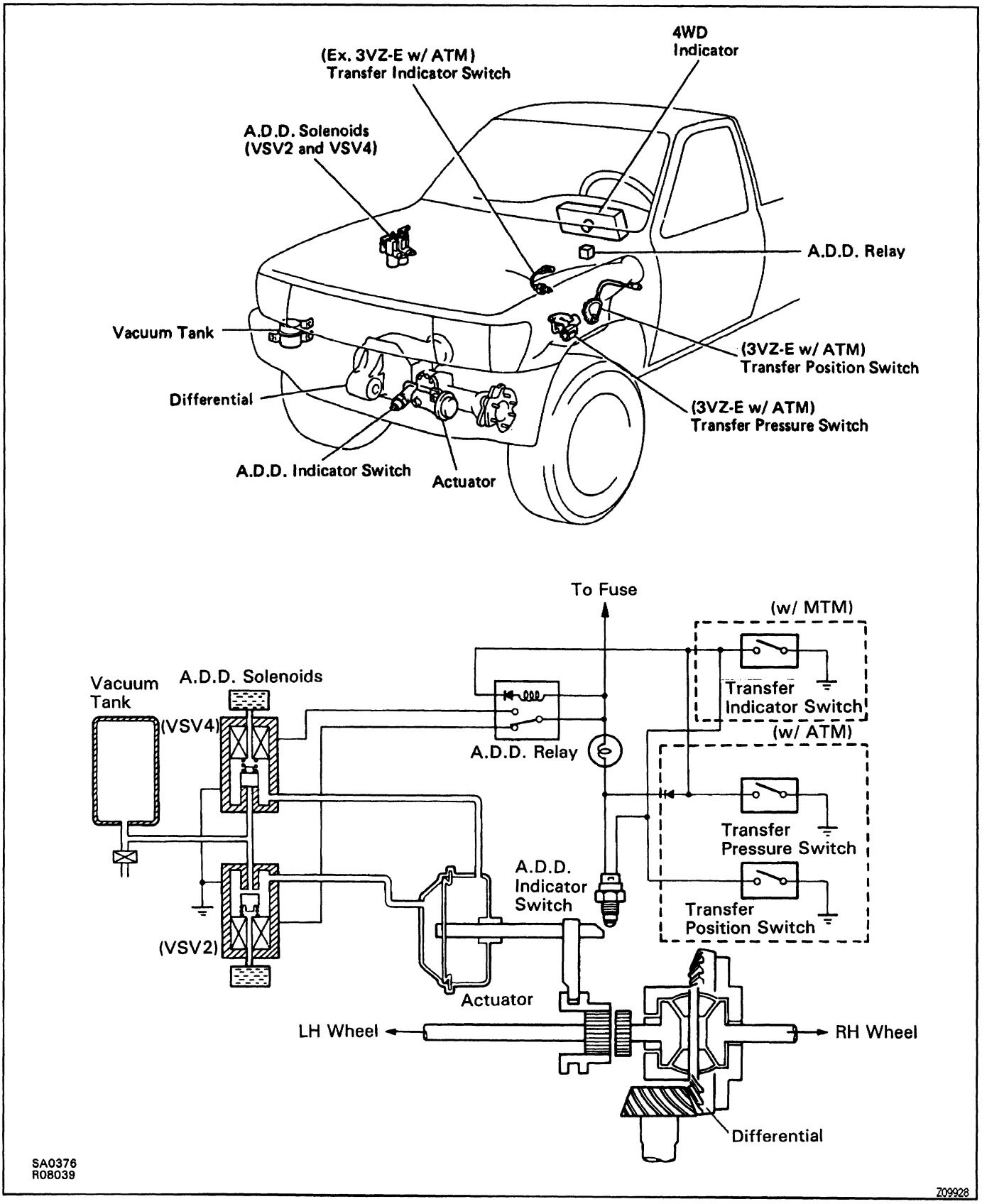
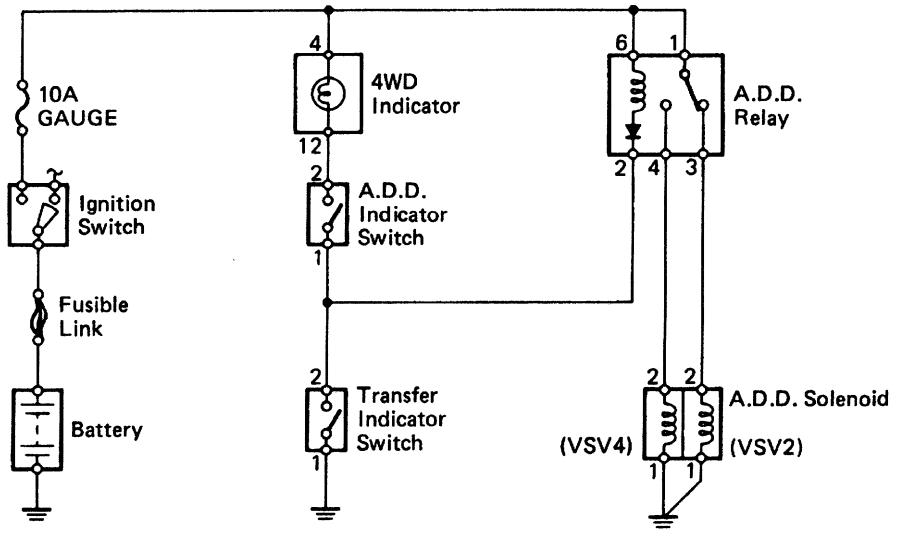
A.D.D. CONTROL SYSTEM

COMPONENTS

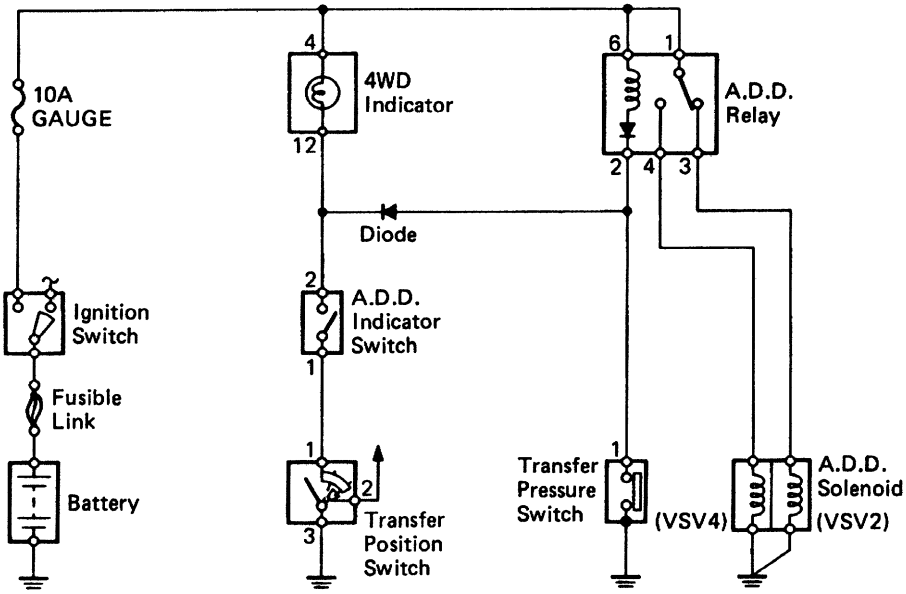


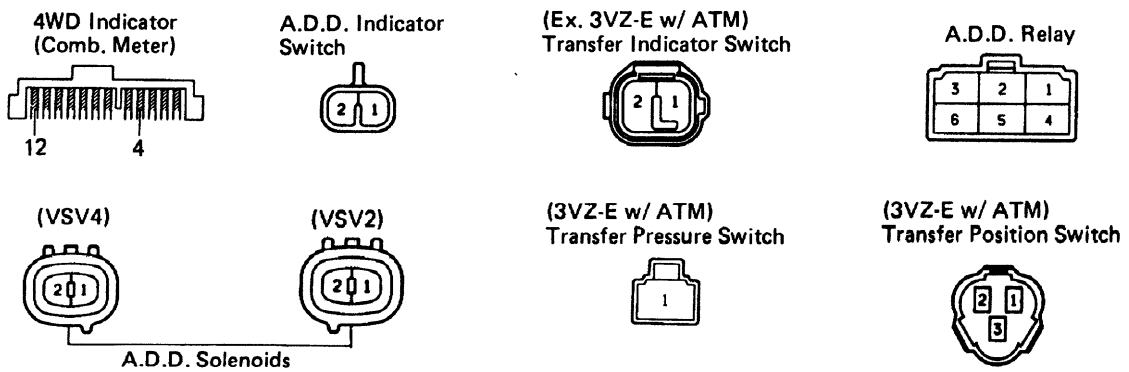
WIRING DIAGRAM

[Ex. 3VZ-E w/ ATM]



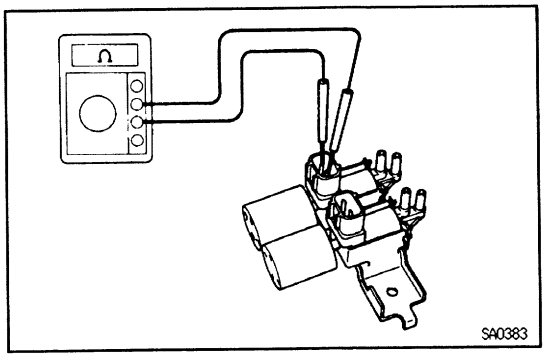
[3VZ-E w/ ATM]





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

Z07103



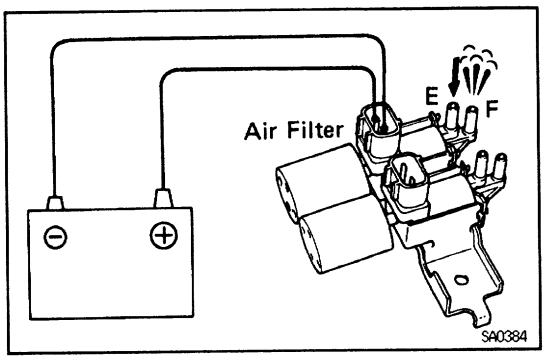
COMPONENTS INSPECTION

1. INSPECT A.D.D. SOLENOIDS

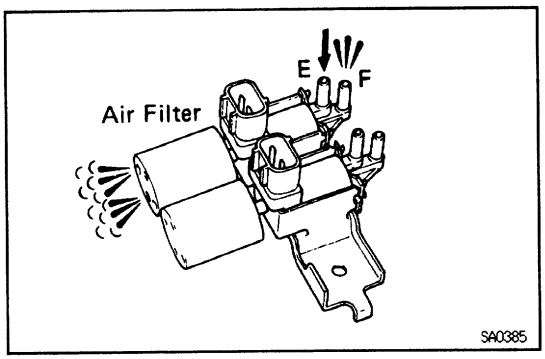
(a) Measure the resistance of the solenoids.

Resistance:

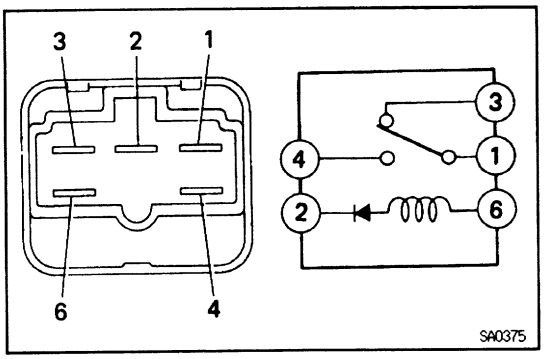
37 –44Ω



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



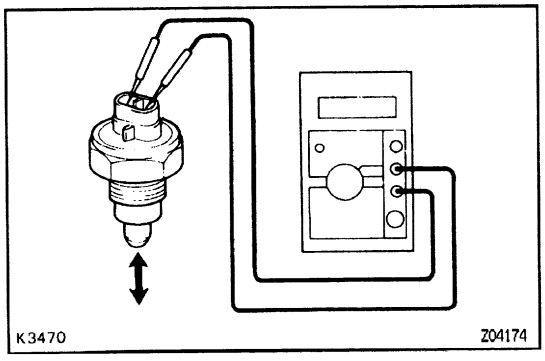
(c) Disconnect the battery positive voltage from the solenoid.
Check that air flows from port E to the air filter.
Check that air does not flows from port E to port F.



2. INSPECT A.D.D. RELAY

Continuity:

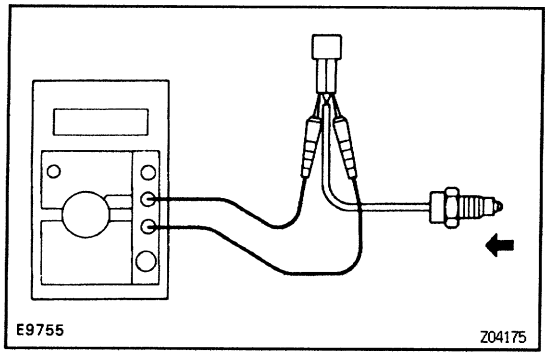
Terminal / Condition	1	2	3	4	6
Constant	○		○		○
	○		○		
Apply battery positive voltage to terminals 5 and 2.	○			○	



3. INSPECT A.D.D. INDICATOR SWITCH

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

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

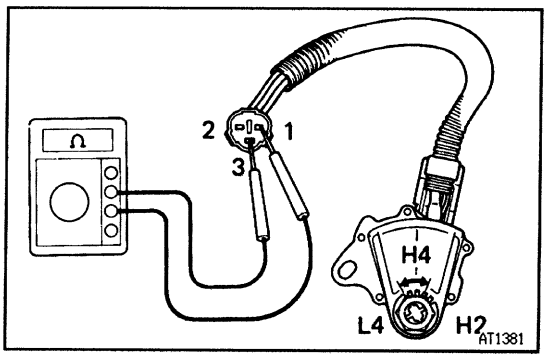


4. (Ex. 3VZ–E w/ATM)

INSPECT TRANSFER INDICATOR SWITCH

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

(b) Using a ohmmeter, check that there is no continuity between terminals when the switch is free (transfer H 2 position).

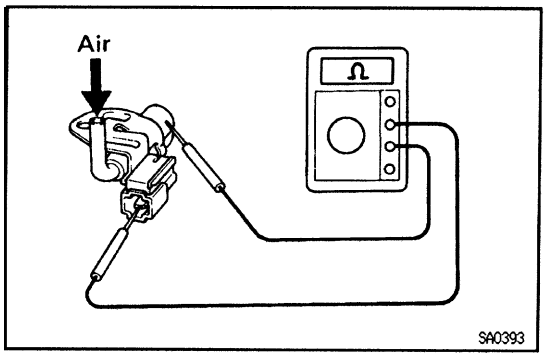


5. (3VZ–E w/ ATM)

INSPECT TRANSFER POSITION SWITCH

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

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



6. (3VZ–E w/ ATM)

INSPECT TRANSFER PRESSURE SWITCH

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

Resistance:

0Ω