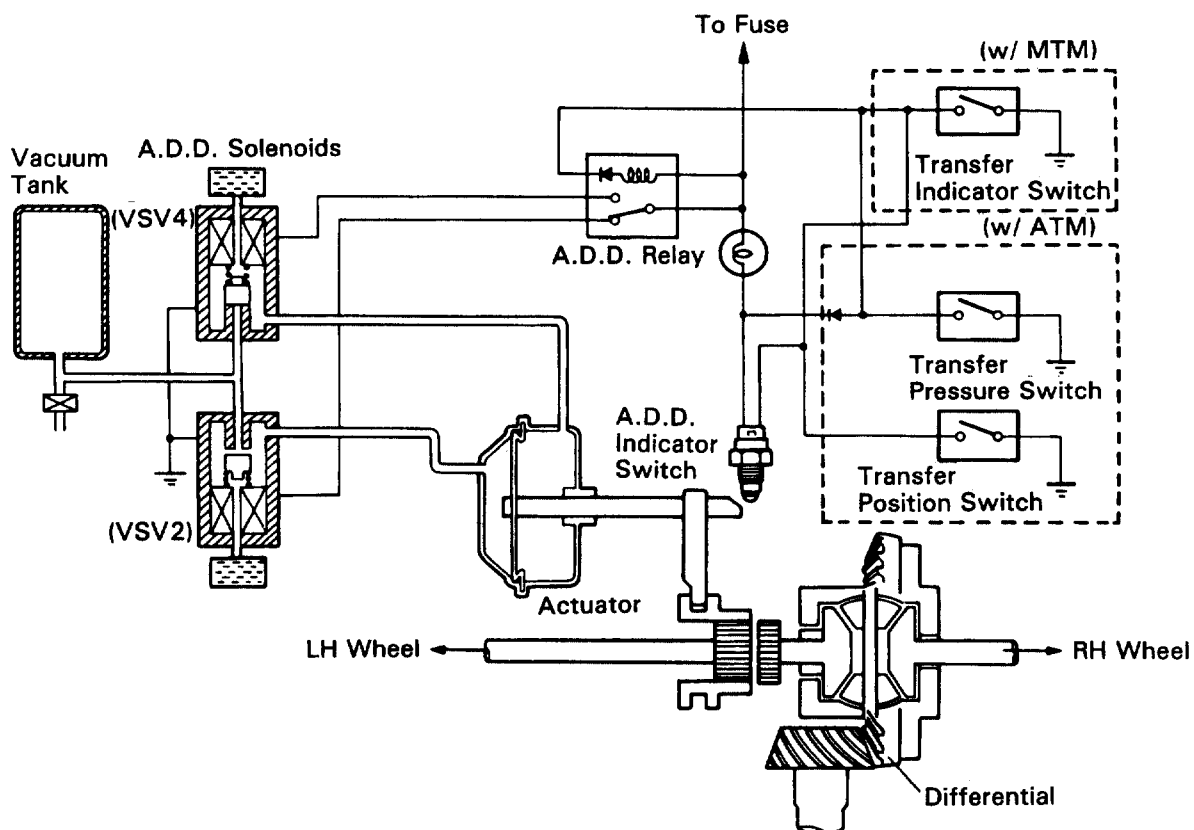
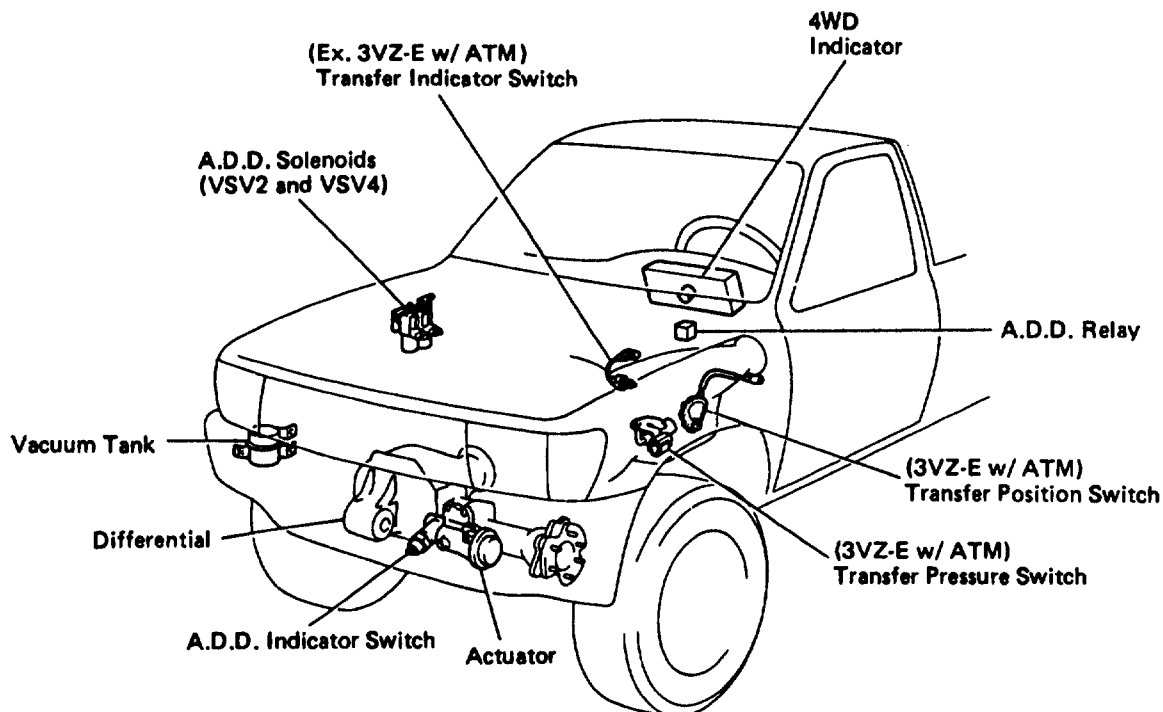
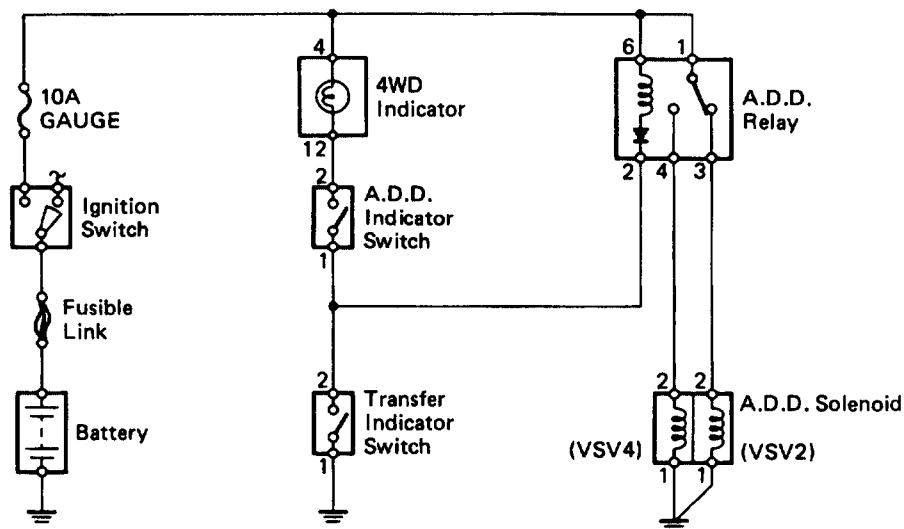


A.D.D. CONTROL SYSTEM COMPONENTS

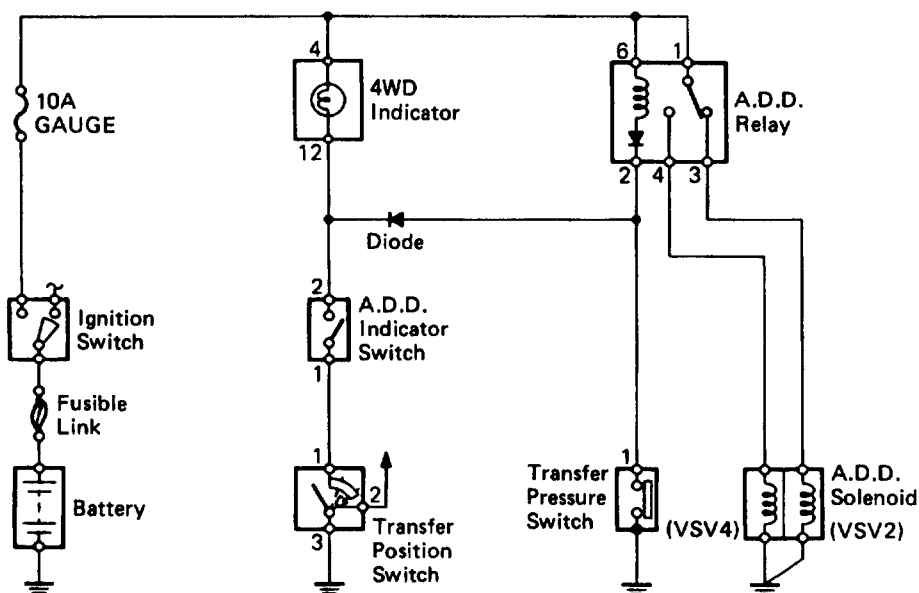


WIRING DIAGRAM

[Ex. 3VZ-E w/ ATM]



[3VZ-E w/ ATM]



4WD Indicator
(Comb. Meter)



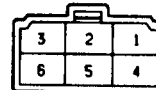
A.D.D. Indicator
Switch



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



A.D.D. Relay



(VSV4)



(VSV2)



A.D.D. Solenoids

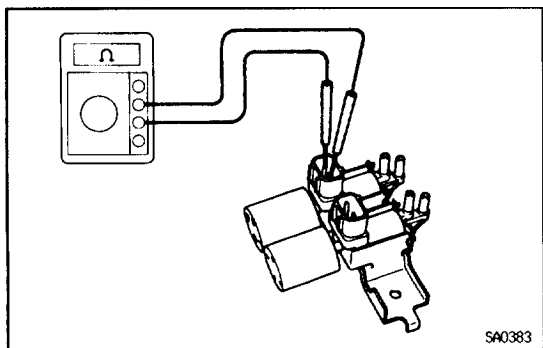
(3VZ-E w/ ATM)
Transfer Pressure Switch



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



SA3152
SA3153
BE1268 IS-2-2-E IS-2-2-G H-6-2
IS-2-2-P SA0379 Q-1-2 IS-3-2-A



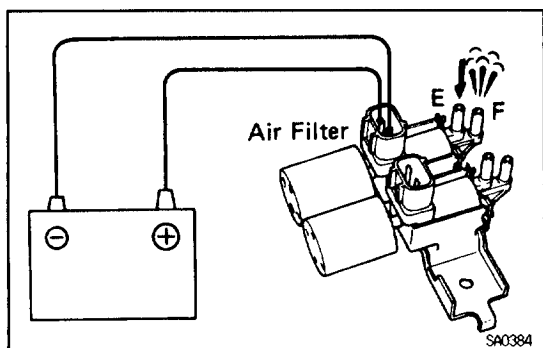
COMPONENTS INSPECTION

1. INSPECT A.D.D. SOLENOIDS

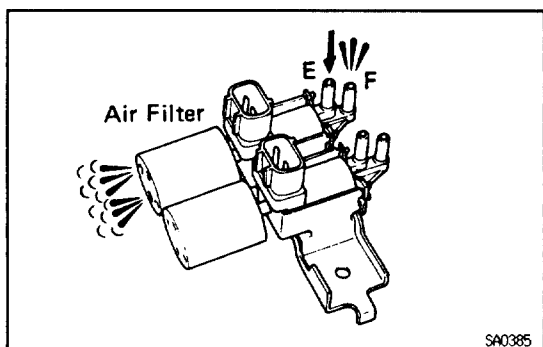
- (a) Measure the resistance of the solenoids.

Resistance:

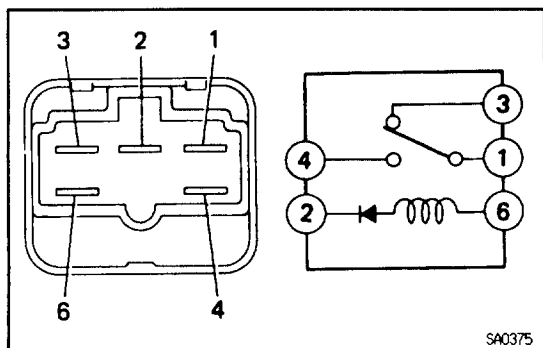
37-44Ω



- (b) Connect the battery to the solenoid.
Check that air 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 flow from port E to port F.



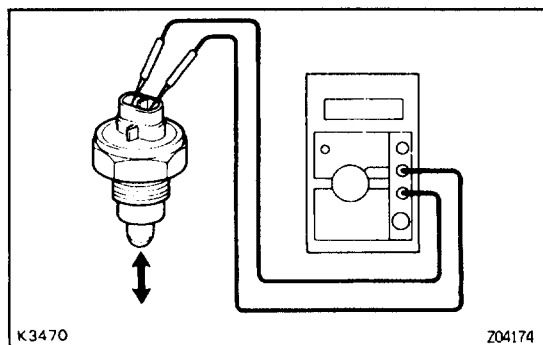
2. INSPECT A.D.D. RELAY

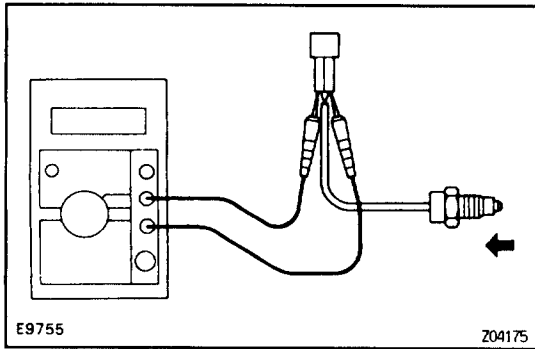
Continuity:

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

INSPECT A.D.D. INDICATOR SWITCH

- (a) Using a ohmmeter, check that there is continuity between 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).

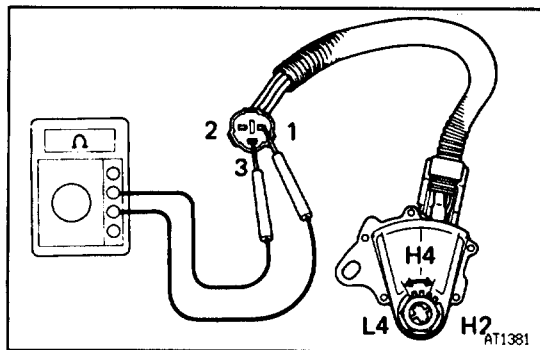




4. Ex. 3VZ-E w/ATM:

INSPECT TRANSFER INDICATOR SWITCH

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



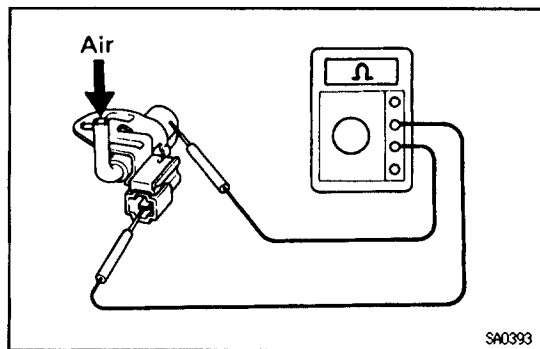
5. 3VZ-E w/ ATM:

INSPECT TRANSFER POSITION SWITCH

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

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

V03262



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: 0 Ω