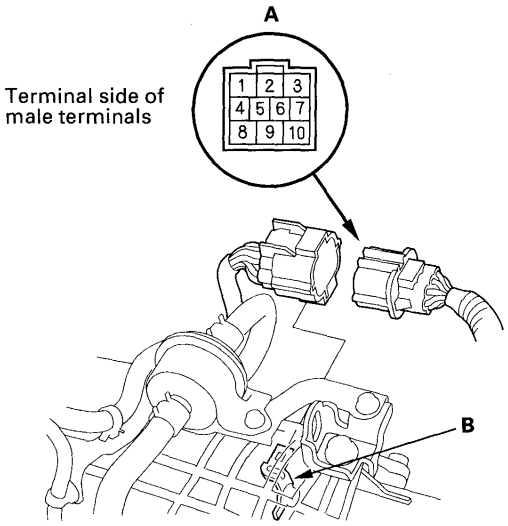
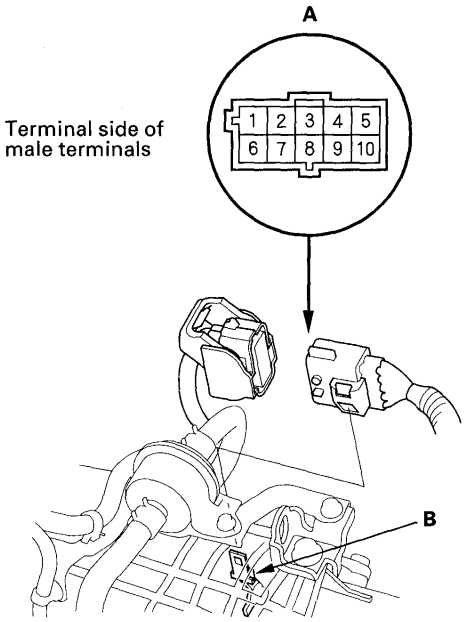
Transmission Range Switch Test

1. Remove the transmission range switch harness connector (A) from the connector bracket (B), then disconnect the connector.

'04-05 Models



'06-07 Models



2. Check for continuity between terminals at the harness connector. There should be continuity between the terminals in the following table for each switch position.

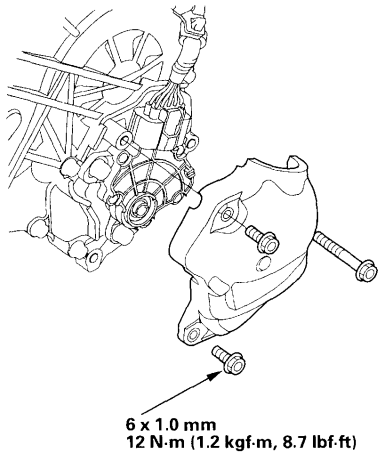
Transmission Range Switch Harness Connector
'04-05 Models

Position	Connector Terminal/Signal									
	1	2	3	4	5	6	7	8	9	10
	ATP NP	ATP FWD	GND	—	D3	ATP RVS	D	N	R	P
P	○		○							○
R			○			○			○	
N	○		○					○		
D		○	○				○			
D3		○	○		○					

'06-07 Models

Position	Connector Terminal/Signal									
	1	2	3	4	5	6	7	8	9	10
	ATP RVS	N	D3	ATP NP	ATP FWD	P	R	D	—	GND
P				○		○				○
R	○						○			○
N		○		○						○
D					○			○		○
D3			○		○					○

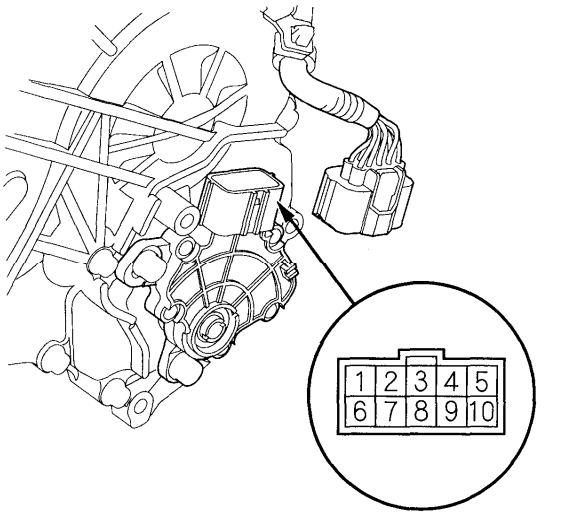
3. If there is no continuity between any terminals, remove the transmission range switch cover.



(cont'd)

Transmission Range Switch Test (cont'd)

4. Disconnect transmission range switch connector.



Terminal side of male terminals

5. Check for continuity between terminals at the switch connector. There should be continuity between the terminals in the following table for each switch position.

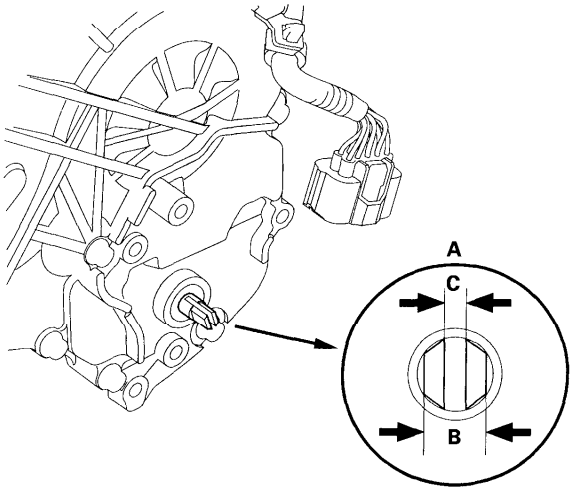
Transmission Range Switch Connector

Position	Connector Terminal/Signal									
	1	2	3	4	5	6	7	8	9	10
	ATP RVS	N	D3	ATP NP	ATP FWD	P	R	D	—	GND
P				○		○				○
R	○						○			○
N		○		○						○
D					○			○		○
D3			○		○					○

6. If the transmission range switch continuity check is OK, replace the faulty transmission range switch harness.

7. If there is no continuity between any terminals, remove the transmission range switch, and check the end of the selector control shaft (A).

Standard:
Selector Control Shaft Width (B):
6.1—6.2 mm (0.240—0.244 in.)
Selector Control Shaft End Gap (C):
1.8—2.0 mm (0.07—0.08 in.)



8. If the measurement of the selector control shaft end is within the standard, replace the transmission range switch (see page 14-281). If the measurement is out of the standard, repair the selector control shaft end, and recheck the transmission range switch continuity.