THM 3T40 (125C)
1988, 1989, 1990 SWITCH IDENTIFICATION

2ND CLUTCH SWITCH
Beginning in 1988, with the introduction of the "Quad Four" engine, there was a 2nd clutch switch installed in the auxiliary valve body, located where we are used to seeing the governor switch. This required valve body and auxiliary valve body oil passage modifications that are unique to these models.
The models affected are as follows:
1988 = 8ICDC
1989 = 9KCC, 9KDC, 9KRC, 9BUC, 9BYC, 9BZC
1990 = OKDC, OKKC, OKXC, OBUC, OBYC, OBZC, OCHC, OLAC, OLJC, OLKC, OLLC

All of the above models use the 2nd clutch switch in the model years indicated. The 2nd clutch switch, OEM part number 8664388, is actually two switches incorporated inside of one casing.(See Figure 2). The 2nd clutch switch has three terminals, 2 "Silver" colored, and 1 "Copper" colored. The 2 silver colored terminals is a "Normally Open" switch and relays 12V signal to the TCC solenoid. The 1 copper colored terminal is a "Normally Closed" switch, that is completed to ground (See Figure 2).

This requires that the wires be connected properly, as the wires and connectors are separate.
1. Red wire with red connector, goes to - either "Silver" terminal.
2. Red wire with red connector, goes to - either "Silver" terminal.
3. Blue wire with blue connector, goes to - "Copper" colored terminal.

NOTE: IF THE WIRES ARE CONNECTED IMPROPERLY:
(1) MAY CREATE A NO LOCK-UP CONDITION.
(2) MAY SEND 12V SIGNAL TO ECM, WHICH MAY DESTROY THE ECM.
(3) MAY BLOW A FUSE THE INSTANT THE KEY IS TURNED ON.

CASE CONNECTOR
Beginning in 1988, with the introduction of the "Quad Four" engine, there was a round case connector introduced that is unique to 1988 and 1989 models. On the 1990 models they went back to the square, black, 4 terminal case connector. Use the chart provided in Figure 1 to determine which case connector to use, and Figure 4 for identification of the case connectors.

3RD CLUTCH SWITCHES

Beginning in 1988, with the introduction of the "Quad Four" engine, there were four (4) different 3rd clutch switches used depending on model, and they WILL NOT interchange.

(1) 3rd Clutch Switch, OEM part number 8643710, is a "Normally Open",2 terminal switch (See "A" in Figure 3).

(2) 3rd Clutch Switch, OEM part number 8664387, is a "Normally Open", single terminal switch, identified by silver case and silver front. . . (See "B" in Figure 3).

(3) 3rd Clutch Switch, OEM part number 8665355, is a "Normally Closed", single terminal switch, identified by olive drab case and black front. (See "C" in Figure 3).

(4) 3rd Clutch Switch, OEM part number 8666603, is a"'Normally Closed", single terminal switch, with "Push-in" base and mounting bracket. (See "D" in Figure 3).

Notice that switch "B" and "C" are single terminal switches, that screw in to the auxiliary valve body. However, switch "B" is "Normally Open", and switch "C" is "Normally Closed", and they will not interchange. Switch "B" was used in only two model years, 1988 and 1989, in 1990 they went back to the "Normally Closed" switch "Cl'.

Use the chart provided in Figure 1 to determine which 3rd clutch switch to use, and Figure 3 to identify the 3rd clutch switches.

1988 MODELS

MODELS	2ND CLUTCH SWITCH	3RD CLUTCH SWITCH	SOLENOID	CASE CONNECTOR
8BHC, 8BJC, 8CBC, 8CJC, 8CMC, 8CPC, 8CRC, 8CTC, 8CUC, 8LSC, 8PDC, 8PKC, 8PMC, 8PNC, 8POC, 8PPC, 8PRC, 8PSC, 8PTC, 8PUC, 8PZC, 8TNC, 8TRC,	NONE	8643710	8652379	8634383
8KDC,	8664388	8664387	8665016	8665015

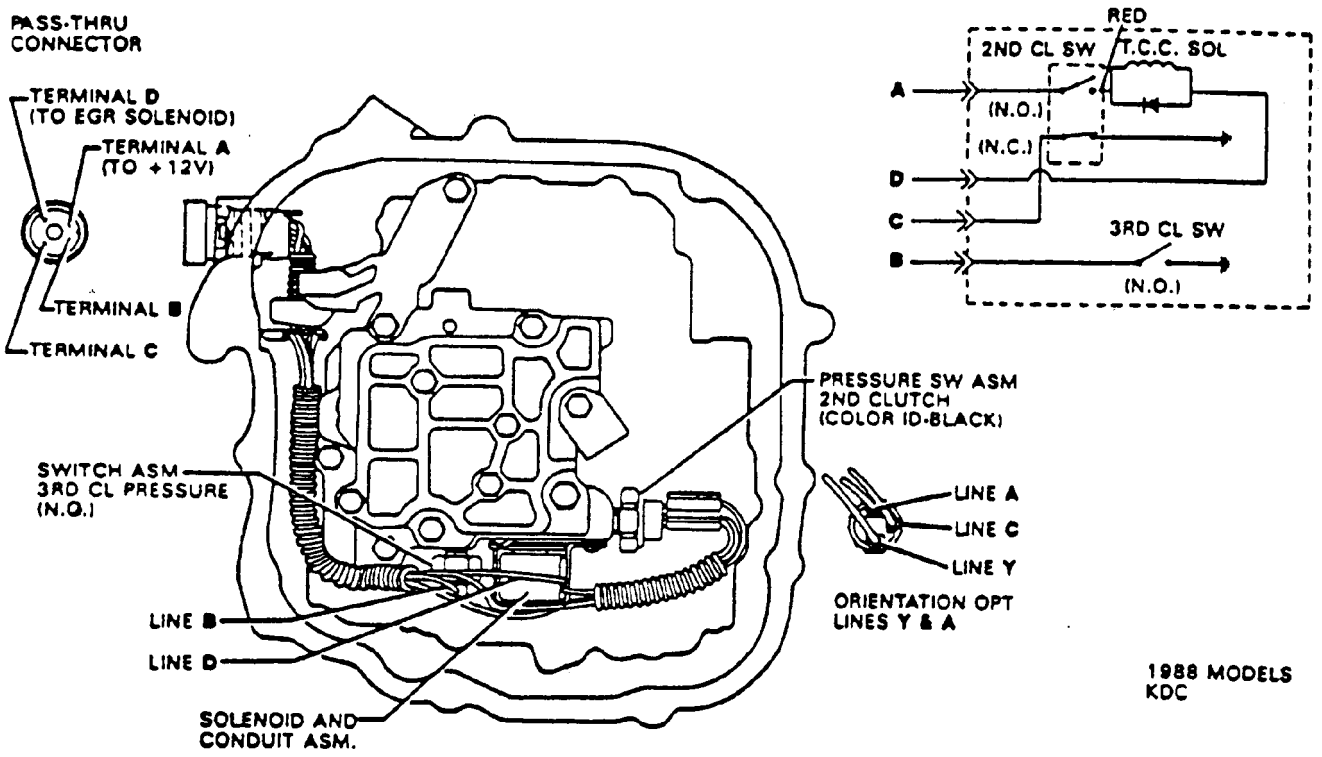
1989 MODELS

MODELS	2ND CLUTCH SWITCH	3RD CLUTCH SWITCH	SOLENOID	CASE CONNECTOR
9CBC, 9CJC, 9CRC, 9CTC, 9CUC, 9PDC, 9PMC, 9PNC, 9PPC, 9PRC, 9PTC, 9RTC, 9RUC, 9TRC,	NONE	8643710	8652379	8634383
9KCC, 9KDC, 9KRC,	8664388	8664387	8665016	8665015
9BUC, 9BYC, 9BZC,	8664388	8665355	8665465	8662395

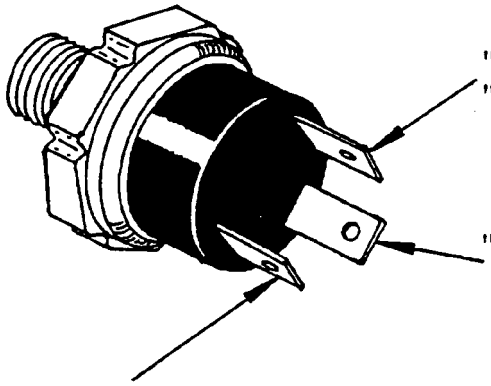
1990 MODELS

MODELS	2ND CLUTCH SWITCH	3RD CLUTCH SWITCH	SOLENOID	CASE CONNECTOR
0AYC, 0HSC, 0LUC, 0LYC, 0PDC, 0PJC, 0PNC, 0PPC, 0PRC, 0PTC, 0RUC, 0TRC,	NONE	8634710	8652379	8634383
0CHC, 0KDC, 0KKC, 0KXC, 0LAC, 0LJC, 0LKC, 0LLC,	8664388	8665355	8665465	8662395
0BUC, 0BYC, 0BXC,	8664388	8666603	8665465	8662395

Figure 1



2ND CLUTCH SWITCH



"SILVER" COLORED TERMINAL
"EITHER" RED WIRE WITH RED CONNECTOR

"COPPER" COLORED TERMINAL
BLUE WIRE WITH BLUE CONNECTOR

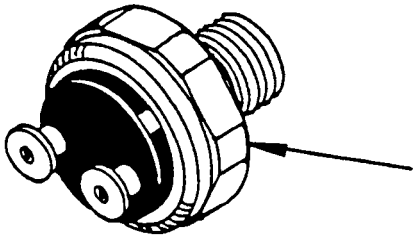
"SILVER" COLORED TERMINAL
"EITHER" RED WIRE WITH RED CONNECTOR

NOTE: IF THE WIRES ARE CONNECTED IMPROPERLY:
(1) MAY CREATE A NO LOCK-UP CONDITION.
(2) MAY SEND 12V SIGNAL TO ECM, WHICH MAY DESTROY THE ECM.
(3) MAY BLOW A FUSE THE INSTANT THE KEY IS TURNED ON.

Figure 1

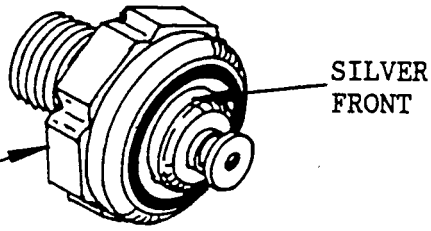
3RD CLUTCH SWITCHES

SWITCH "A"



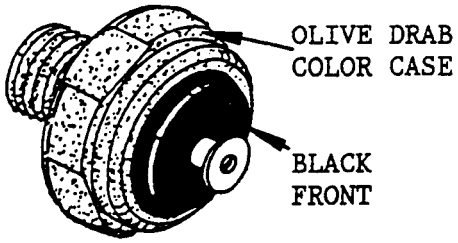
"NORMALLY OPEN", TWO TERMINAL
OEM PART NUMBER 8643710

SWITCH "B"



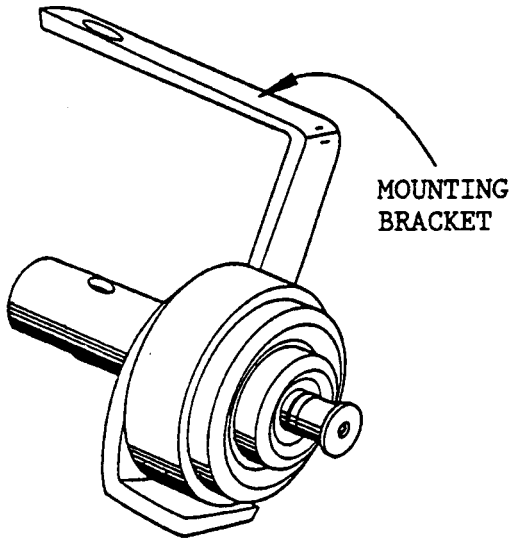
"NORMALLY OPEN", SINGLE TERMINAL
OEM PART NUMBER 8664387

SWITCH "C"



"NORMALLY CLOSED", SINGLE TERMINAL
OEM PART NUMBER 8665355

SWITCH "D"



"NORMALLY CLOSED", SINGLE TERMINAL
OEM PART NUMBER 8666603

Figure 1