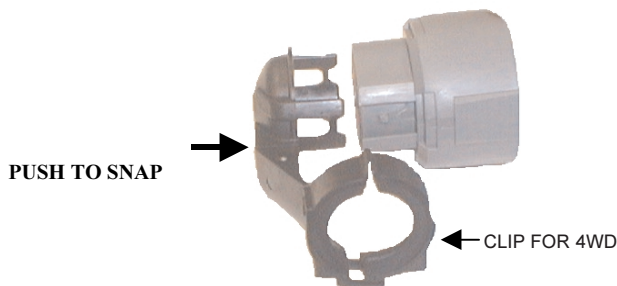


Installation Instructions for GM 4L80E External Harness (350-0033)

FOR UPGRADING 1991-1993 CONNECTORS AND FOR 1994-UP REPAIR

1. Locate and unplug the large round gray connector going to the transmission on the current harness. Remove and save any conduit, clamps, etc. for reuse.
2. Cut wire approximately 5 inches from back of the transmission connector.
NOTE: If any wires are damaged, adjust splices accordingly.
3. Splice the new external harness to wires according to the chart provided below.
NOTE: 1991 to 1993 pink wire at position "K" is not used with this kit. Tape the wire back to the harness to prevent a possible short.
4. Stagger splices approximately 1 ½ inches apart (splices should not overlap).
5. After the proper lengths of wire have been determined, strip insulation from wires ¼" to 3/8".
6. Position stripped end of wire into sleeve until it stops and crimp with approved crimping tool. Gently pull on the wire to ensure the crimp is secure.
7. Apply heat to splice insulation to shrink it around the wire.
8. Electrically check for continuity with a meter or tester.
9. Reinstall any removed conduit, clamps, etc. and connect the new plug/harness assembly to the transmission.

NOTE: Four wheel drive vehicles have a black clip on the back of the old connector to guide the wires around the transfer case. A new one is provided in this kit. Install the clip as shown here.



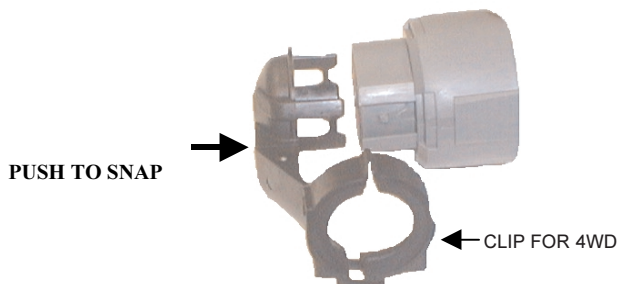
Form #4176, Rev. E, 11-30-01

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REPAIR HARNESS WIRE COLOR	REPAIR HARNESS WIRE POSITION (SEE FIGURE 2)	FUNCTION	ORIGINAL HARNESS WIRE COLOR	1991 TO 1993 WIRE POSITION (SEE FIGURE 1)	1994 UP WIRE POSITION (SEE FIGURE 2)
LIGHT GREEN	A	1-2 SHIFT	LIGHT GREEN	A	A
YELLOW	B	2-3 SHIFT	YELLOW/BLACK	B	B
RED/BLACK	C	PCS HIGH	RED/BLACK	L	C
LIGHT/BLUE	D	PCS LOW	LIGHT BLUE/WHITE	M	D
PINK	E	+12V IGNITION	PINK/BLACK OR PINK OR BROWN	C	E
BLACK/YELLOW	L	TEMP SIGNAL	BLACK/YELLOW OR YELLOW/BLACK	G	L
BLACK	M	TEMP GROUND	PURPLE OR BLACK	H	M
GRAY	N	PSM SIGNAL A	PINK	D	N
RED	P	PSM SIGNAL C	RED	F	P
BLUE	R	PSM SIGNAL B	DARK BLUE	E	R
BROWN	S	TCC CONTROL	TAN/BLACK OR DARK BLUE OR BROWN	J	S
NONE	UNUSED	NONE	PINK PINK/BLACK	K DO NOT USE	UNUSED

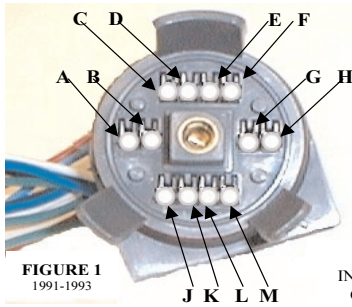


FIGURE 1
1991-1993

PIN VIEW OF
INTERNAL CASE
CONNECTOR.

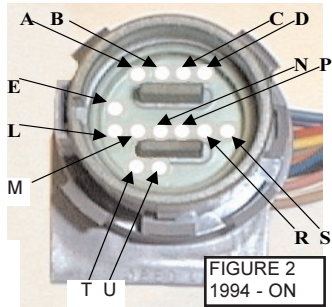


FIGURE 2
1994 - ON

Form #4176, Rev. E, 11-30-01

REPAIR HARNESS WIRE COLOR	REPAIR HARNESS WIRE POSITION (SEE FIGURE 2)	FUNCTION	ORIGINAL HARNESS WIRE COLOR	1991 TO 1993 WIRE POSITION (SEE FIGURE 1)	1994 UP WIRE POSITION (SEE FIGURE 2)
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BLACK/YELLOW	L	TEMP SIGNAL	BLACK/YELLOW OR YELLOW/BLACK	G	L
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BROWN	S	TCC CONTROL	TAN/BLACK OR DARK BLUE OR BROWN	J	S
NONE	UNUSED	NONE	PINK PINK/BLACK	K DO NOT USE	UNUSED

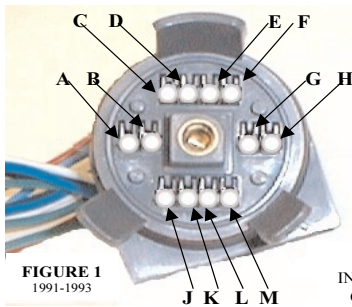


FIGURE 1
1991-1993

PIN VIEW OF
INTERNAL CASE
CONNECTOR.

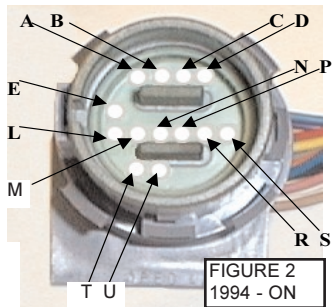


FIGURE 2
1994 - ON

Form #4176, Rev. E, 11-30-01