



ISUZU / HONDA

4L30-E

4TH GEAR STARTS, HARSH 3RD GEAR OR HARSH DOWNSHIFTS

COMPLAINT: Isuzu or Honda vehicles, equipped with the 4L30-E transmission may exhibit 4th gear starts in the Drive position or a harsh upshift to 3rd, or harsh downshifts when slowing to a stop. This may or may not be accompanied by trouble codes 82 or 56, for 1990-93 models, 53 or 54 on 1994-95 models, or P0705 or P0706 on 1996 and up models.

CAUSE: The cause may be, a defective Mode Switch, or a missing fused battery input to the Mode switch. **REASON:** The reason for the complaint is that computer strategy on 1990-93 models may create 4th gear starts when there are problems in the Mode Switch circuit. Computer strategy on vehicles built after 1993 may create 4th gear starts or high line pressure, which can create the harsh upshift to 3rd and or harsh downshifts.

CORRECTION: Locate terminal 5 or D as shown in Figure 1 to verify fused battery input to the switch. **NOTE:** A quick check for this fused input would be to verify if the Reverse lights are working when you select Reverse. If the lights are working, the fused input is good. If there is no fused input to terminal 5 or D, replace the appropriate fuse as shown in Figure 2. If there is fused input to terminal 5 or D, check the Mode switch, from the face side of the connector as shown in Figure 3, to verify continuity in all ranges. Replace or repair as necessary.

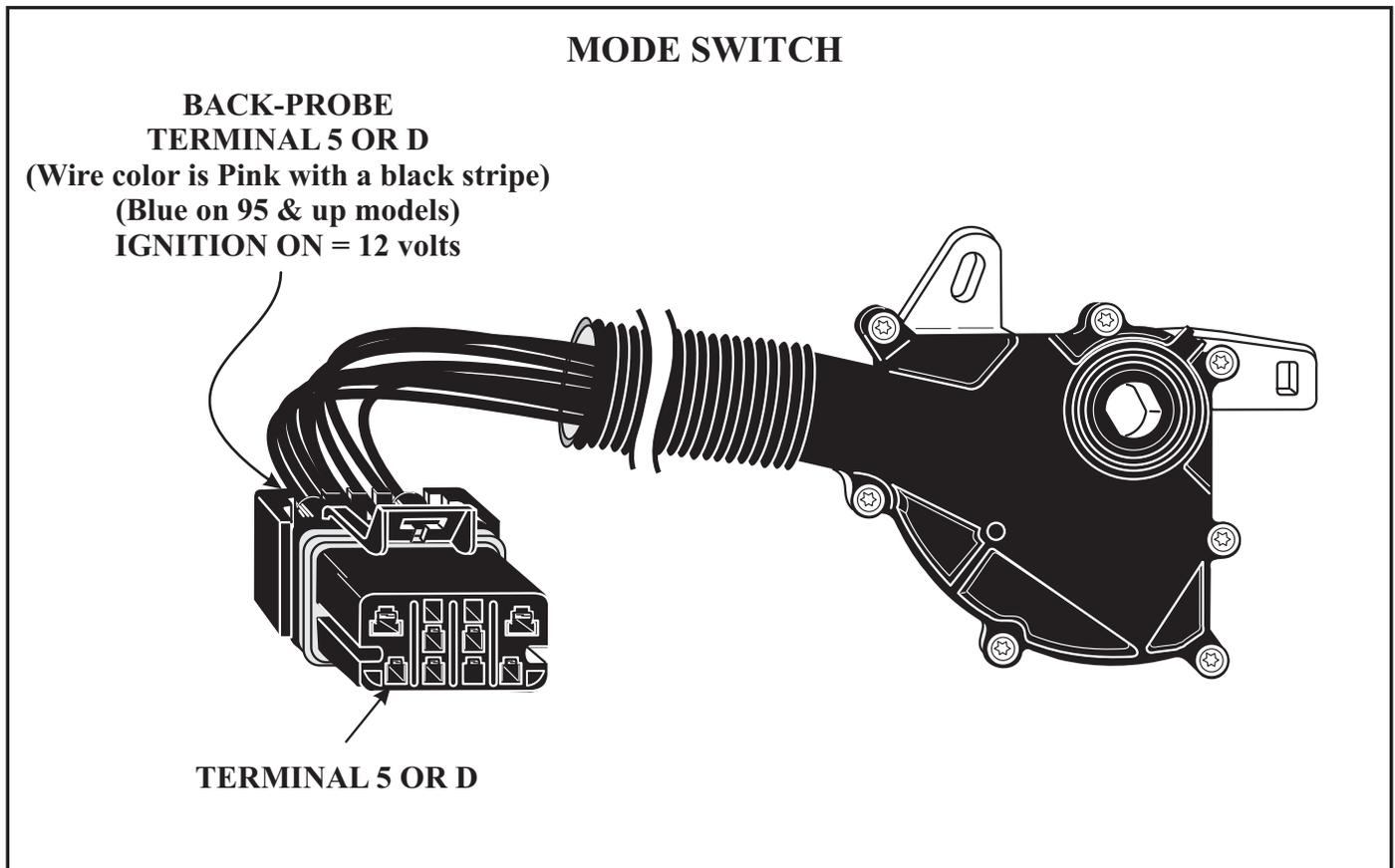


Figure 1

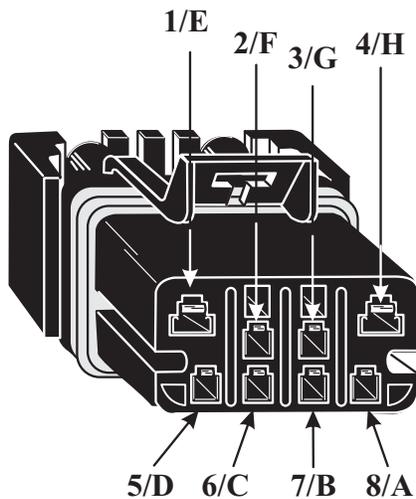
FUSE LOCATIONS

VEHICLE	DASH FUSE NUMBER
1990-91 Trooper	Fuse #15
1992& UP Trooper	Fuse # C-3
1991-94 Passport and Rodeo	Fuse # 5
1995-97 Passport and Rodeo	Fuse # CB-15
1998 & UP Passport and Rodeo	Back-up or #14

Figure 2

MODE SWITCH CONTINUITY CHECK

TRANSMISSION MODE SWITCH CONNECTOR (FACE VIEW)



LATE TERMINAL I.D.	5	8	7	6	3	1	4	2
EARLY TERMINAL I.D.	D	A	B	C	G	E	H	F
SELECTOR POSITION	P	●	●			●	●—●	
	R	●	●	●				●
	N	●		●		●	●—●	
	D	●		●	●			
	3	●	●	●	●	●		
	2	●	●		●			
	1	●			●	●		

NOTE: TERMINALS "1 & 4" OR "E & H" HAVE CONTINUITY TO EACH OTHER ONLY

EXAMPLE: Using an ohm meter, with the shift selector in the D position, the "D" or number 5 terminal should have continuity to terminals "B" or 7 and "C" or 6 ONLY

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Figure 3