MAZDA/FORD G4A-EL, F4A-EL, GF4A-EL

3RD GEAR STARTS NO CODES

COMPLAINT: Vehicles equipped with G4A-EL, F4A-EL and GF4A-EL transaxles may exhibit 3rd gear starts in the OD/D and/or D/S/2 positions with 1st gear obtainable in the Manual Low or 1 position. Vehicles subject to this condition will normally have no Reverse lights and/or no trouble codes, but will be able to store trouble codes if they are induced.

CAUSE: The cause may be:

- A blown 10 or 15 amp fuse marked "METER," located in interior fuse panel.
- A broken "Switched Battery Lead" to the Inhibitor Switch. (Black with Yellow stripe).
- A faulty inhibitor switch.

CORRECTION: Follow the steps that describe the vehicles condition:

CONDITION 1. 3rd gear starts in OD/D and D/S/2 positions with 1st gear in Manual Low or 1 position. Go to STEP 1.

CONDITION 2. 3rd gear starts in the OD/D position with 1st gear starts and normal upshifts in the D/S/2 and Manual Low or 1 positions. Go to STEP 4.

CONDITION 3. 3rd gear starts in the D/S/2 position with 1st gear starts and normal upshifts in the OD/D and Manual Low or 1 positions.Go to STEP 4.

STEP 1. Place selector lever in the Reverse position with key on engine off and check for Reverse lights. If there are NO Reverse lights go to STEP 2. If there are Reverse lights go to STEP 4.

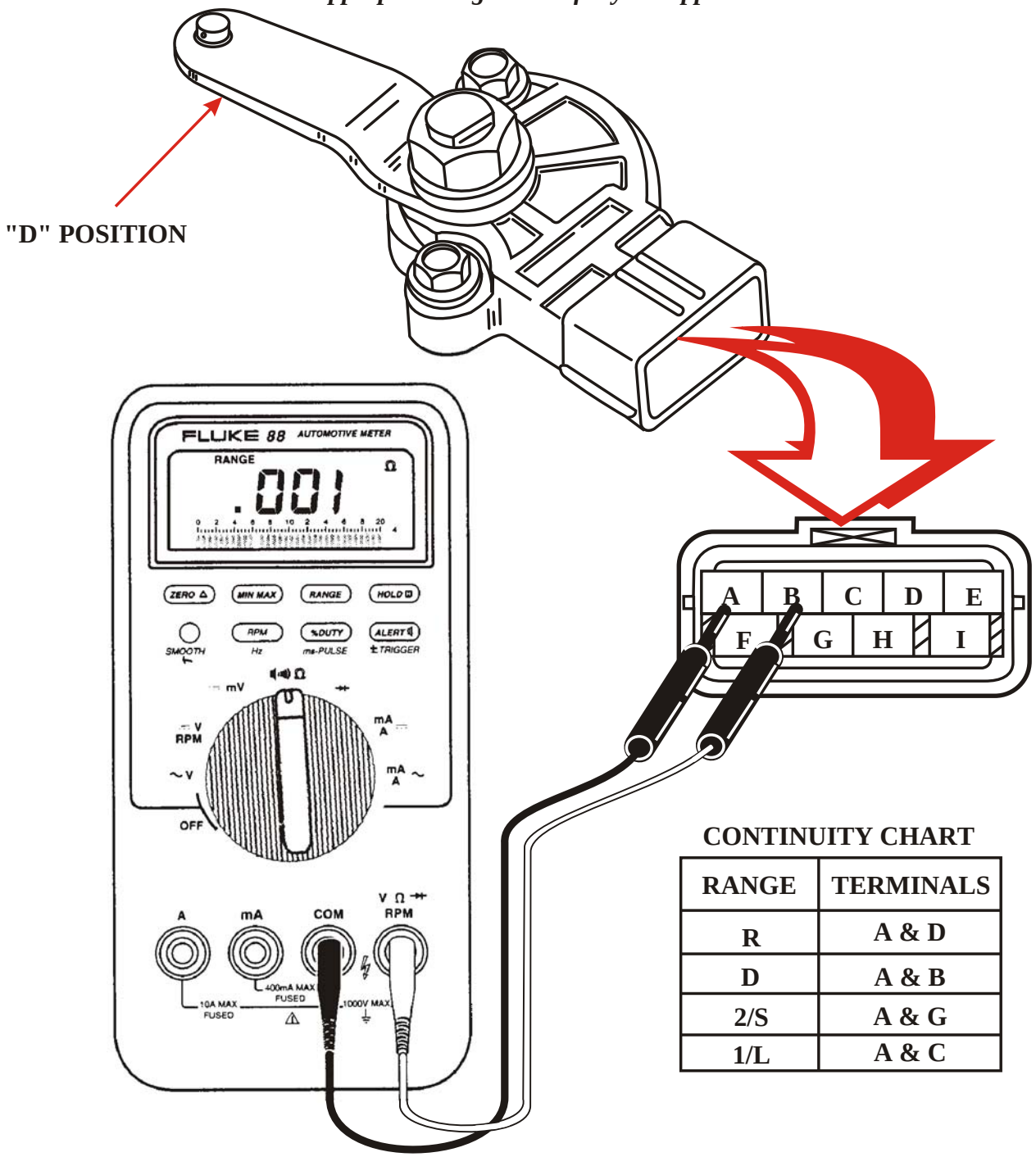
STEP 2. Locate 10 or 15 amp "METER" fuse in the interior fuse panel and replace if it's blown and ensure that there is 12 volts on both sides of the fuse with ignition in the "ON" position. If the fuse is good and there is 12 volts on both sides of the fuse, go to STEP 3.

STEP 3. Locate your vehicle application and transmission type in Figures 2-7 and back probe the Switched Battery lead (Black with Yellow stripe wire) for 12 volts with the ignition "ON." If there is NO voltage, repair the broken Black with Yellow stripe wire. If the break in the wire can not be found, cut the Black with Yellow stripe wire and tape the harness side of the wire back to the vehicle harness. Run a new wire out to the remaining Black with Yellow stripe wire from a ignition ON source through a 10 amp in-line fuse. If there is 12 volts with ignition ON at the Black with Yellow stripe wire, go to STEP 4.

STEP 4. Locate your vehicle application and transmission type in Figures 2-7 and check the inhibitor switch for continuity on the specified terminals. (see example in Figure 1). If continuity ***does not*** exist, replace the inhibitor switch. If continuity ***does*** exist, repair broken wire between the inhibitor switch and the transmission controller.

INHIBITOR SWITCH CHECK

Example shown is for the GF4A-EL models.
Use the appropriate Figure No. for your application



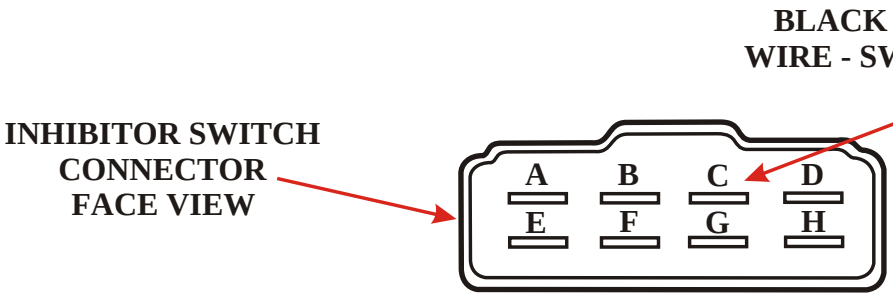
CONTINUITY CHART

RANGE	TERMINALS
R	A & D
D	A & B
2/S	A & G
1/L	A & C

TO ACCURATELY CHECK THE INHIBITOR SWITCH: 1ST. PLACE THE SELECTOR LEVER IN THE DESIRED RANGE. 2ND PLACE THE OHM METER LEADS ACROSS THE SPECIFIED TERMINALS IN THE CHART AND CHECK FOR CONTINUITY. 3RD CHECK ALL OTHER TERMINALS AND ENSURE THAT THERE IS NO CONTINUITY.

Figure 1

G4A-EL
1987 626 AND MX-6

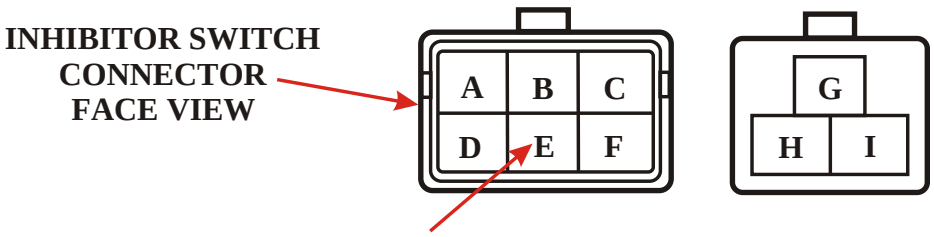


RANGE	TERMINALS
R	C & G
D	C & F
S	C & A
L	C & E

SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 2

G4A-EL G4AX-EL
88-92 626 AND MX-6
91-94 CAPRI AND 90-91 323 AWD



RANGE	TERMINALS
R	E & G
D	E & B
S	E & A
L	E & F

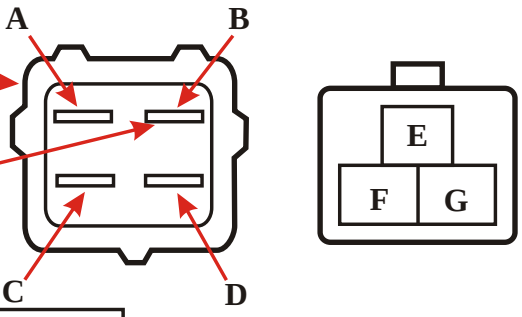
SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 3

G4A-EL
89-92 PROBE

INHIBITOR SWITCH CONNECTOR FACE VIEW

BLACK WITH YELLOW STRIPE WIRE - SWITCHED BATTERY LEAD



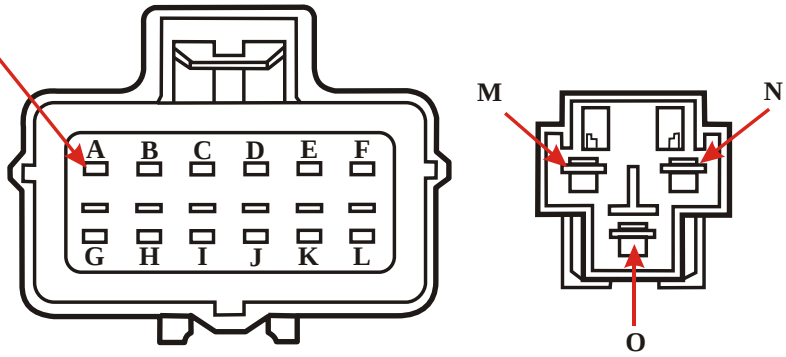
RANGE	TERMINALS
R	B & E
OD/D	B & D
D/S	B & A
1/L	B & C

SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 4

F4A-EL/F4EAT
91-96 ESCORT AND TRACER
90-94 323/PROTEGE, KIA SEPHIA & 92-93 MX-3

BLACK WITH YELLOW STRIPE WIRE - SWITCHED BATTERY LEAD



INHIBITOR SWITCH CONNECTOR FACE VIEW

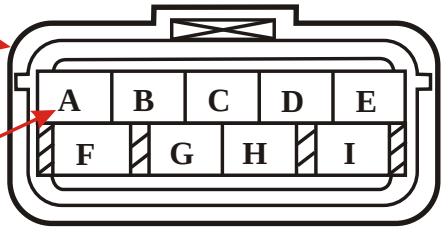
RANGE	TERMINALS
R	A & N
OD/D	A & H
D/S	A & C
1/L	A & I

SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 5

F4A-EL
95-96 323/PROTEGE & 94-95 MX-3

INHIBITOR SWITCH CONNECTOR FACE VIEW



BLACK WITH YELLOW STRIPE WIRE - SWITCHED BATTERY LEAD

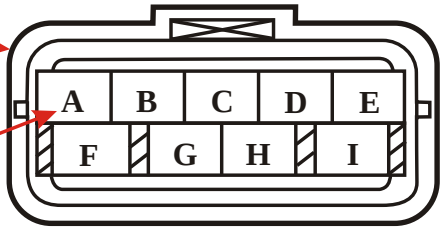
RANGE	TERMINALS
R	A & D
D	A & B
2/S	A & G
1/L	A & C

SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 6

GF4A-EL
93-96 626, MX6, PROBE AND MILLENIA

INHIBITOR SWITCH CONNECTOR FACE VIEW



BLACK WITH YELLOW STRIPE WIRE - SWITCHED BATTERY LEAD

RANGE	TERMINALS
R	A & D
D	A & B
2/S	A & G
1/L	A & C

SPECIFIED TERMINALS HAVE CONTINUITY ONLY IN THE RANGES LISTED

Figure 7