Connector E – This connector will plug into the mating Connector A of the Dash Harness. Connect the wires as follows:

Wire Color	Printing	Description

1. 12V Accessory Feed to the Constant Voltage Regulator

Brown **no printing** The Constant Voltage Regulator (CVR) is contained within the Fuel gauge. You will need to run a 12V source to the CVR so that the voltage will be reduced (to 5 volts) for the Fuel Gauge and the Temperature Gauge to operate properly. Obtain the brown wire (circuit 4) which is located in Connector "**E**" (**see page 3**), route this wire to the Fuel Gauge on the back of the Cluster, (**see Figure A**), cut to length, and install a ring terminal from the Gauge Terminal Kit 92965220. You can now attach this ring terminal, to **terminal stud "3",** with a 10-32 locknut which is supplied in this kit.

Note: Make sure that the Factory Jumper is attached securely in place between terminal studs "2" and "4", and has good continuity between the Fuel gauge and the Temperature Gauge.

2. 12V Ignition Feed

Pink **12V IGNITION** This wire is used to provide ignition voltage to the 4WD light, the Brake Warning Light and any Aftermarket Gauges that you may add. This wire will require an in-line splice of the wires to accommodate each of the lights (**see page 3**). Obtain the pink "12V IGNITION" wire (circuit 39) which is located in Connector "**E**" and cut to length, splice in two sections of the same pink wire that you just cut (or more if you are adding Aftermarket Gauges). Route these two pink wires to the 4WD light and the Brake Warning Light (**see Figure A**), cut each to length, slide on lamp socket "**G**" and spring "**J**" and crimp on terminal "**H**" (**see page 3**). Add a #1895 Bulb (not included in this kit) to the socket.

3. Dash Illumination Lights

Gray **DASH LIGHTS** This wire will require an in-line splice of the wires to accommodate each of the three Dash Lights (**see page 3**). Obtain the gray "DASH LIGHTS" wire (circuit 8) which is located in Connector "**E**" and cut to length, splice in three sections of the same gray wire that you just cut. Route these three gray wires to the three Dash Light locations (**see Figure A**), cut each to length, slide on light socket "**M**", and crimp on terminal "**H**". Add a #1895 Bulb (not included in this kit) to the socket.

4. Ground

Black **GROUND** Obtain the black "GROUND" wire (circuit 150) which is located in Connector "**E**" (**see page 3**), route to one of the screws (or studs) that attach the Instrument Cluster to the Dash, cut to length, and crimp on Ring Terminal "**Q**". **Note: Be sure to attach this Ring Terminal to the screw (or stud) that attaches the Cluster to the Dash. Make sure that you have a good path to ground.**

Connector D – This connector will plug into the mating Connector B of the Dash Harness. Connect the wires as follows:

Wire Color	Printing	Description

1. Left Turn Light

Light Blue **LEFT DASH IND** This wire is for your Left Turn Signal Light. Obtain the light blue "LEFT DASH IND" wire (circuit 14) which is located in Connector "**D**" (**see page 3**), route to the Left Turn Signal Light (**see Figure A**) cut to length, slide on light socket "**M**", and crimp on terminal "**H**". Add a #1895 Bulb (not included in this kit) to the socket.

2. Right Turn Light

Dark Blue **RIGHT DASH IND** This wire is for your Right Turn Signal Light. Obtain the dark blue "RIGHT DASH IND" wire (circuit 15) which is located in Connector "**D**" (**see page 3**), route to the Right Turn Signal Light (**see Figure A**) cut to length, slide on light socket "**M**", and crimp on terminal "**H**". Add a #1895 Bulb (not included in this kit) to the socket.

3. High Beam Indicator Light

Light Green **HI BEAM INDICATOR LIGHT** This wire is for your High Beam Indicator Light. Obtain the light green "HI BEAM INDICATOR LIGHT" wire (circuit 11) which is located in Connector "**D**" (**see page 3**), route to the High Beam Indicator Light (**see Figure A**) cut to length, slide on light socket "**M**", and crimp on terminal "**H**". Add a #1895 Bulb (not included in this kit) to the socket.

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Wire Color	Printing	Description

4. Temperature Gauge

Dark Green **WATER TEMP SENDER** This wire is for your Coolant Temperature Gauge. Obtain the dark green "WATER TEMP SENDER" wire (circuit 35) which is located in Connector "**D**" (**see page 3**), route to the Coolant Temperature Gauge (**see Figure A**), cut to length, install a ring terminal from the Gauge Terminal Kit, and attach to the Coolant Temperature Gauge **terminal stud "5"**, using a supplied 10-32 locknut.

5. Fuel Gauge

Tan **GAS GAUGE** This wire is for your Fuel Gauge. Obtain the tan "GAS GAUGE" wire (circuit 30) which is located in Connector "**D**" (**see page 3**), route to the Fuel Gauge (**see Figure A**), cut to length, install a ring terminal from the Gauge Terminal Kit, and attach to the Fuel Gauge **terminal stud "1"**, using a supplied 10-32 locknut.

6. Brake Warning Light

Tan **BRAKE LIGHT/SWITCH** This wire is for your Brake Warning Light. Obtain the tan "BRAKE LIGHT/SWITCH" wire (circuit 33) which is located in Connector "**D**" (**see page 3**). Route to the Brake Warning Light (**see Figure A**), cut to length, crimp on terminal "**K**", and install into light socket "**G**".

7. Four Wheel Drive (4WD) Light

Dark Blue no printing This wire is for your 4WD Light. Obtain the dark blue wire (circuit 131) which is located in Connector "**D**" (**see page 3**). Route to the Four Wheel Drive Light (**see Figure A**), cut to length, crimp on terminal "**K**", and install into light socket "**G**".

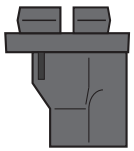
8. Tachometer

White **COIL -->TACH** This wire is **only used** with an **Aftermarket Tachometer**. Obtain the loose white "COIL --> TACH" wire (circuit 121) and plug it into Connector "**D**" (**see page 3**). Route the other end of this wire to the **Aftermarket Tachometer**, cut to length, and install onto your Tachometer Pulse location per the Tachometer Manufacturers recommendations.

Connector F – This connector will plug into the mating Connector C of the Dash Harness, see page 5 for typical Electric Speedometer connections.

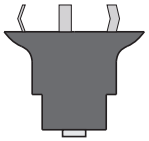
This connector is only used when using an Aftermarket Speedometer. Follow the manufacturer's instructions when installing these wires.

For Typical Aftermarket Gauge Connections, see page 4.

G  (2-wire light socket, 3 pcs.)

K  (male terminal, 3 pcs.)

H  (button terminal, 11 pcs.)

M  (1-wire light socket, 7 pcs.)

J  (spring, 3 pcs.)

Q  (ring terminal, 2 pcs.)

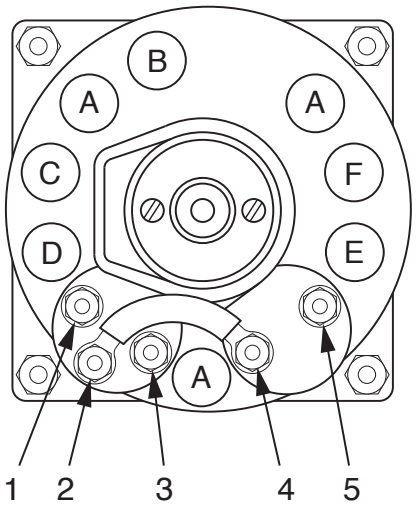


Figure A
Rear View of Cluster

Terminal Studs

1. Fuel Gauge S-terminal (to sender)
2. Fuel Gauge A-terminal (jumper)
3. Fuel Gauge I-terminal (12V)
4. Coolant Temperature Gauge S-terminal (jumper)
5. Coolant Temperature Gauge A-terminal (to sender)

Lights

A - Illumination
B - High Beam
C - Right Turn
D - Four-Wheel Drive (see note below)
E - Brake Warning (see note below)
F - Left Turn

Note: On some later model vehicles, the Four-Wheel Drive Light and the Brake Warning Light, have swapped locations; please confirm location on your Cluster.

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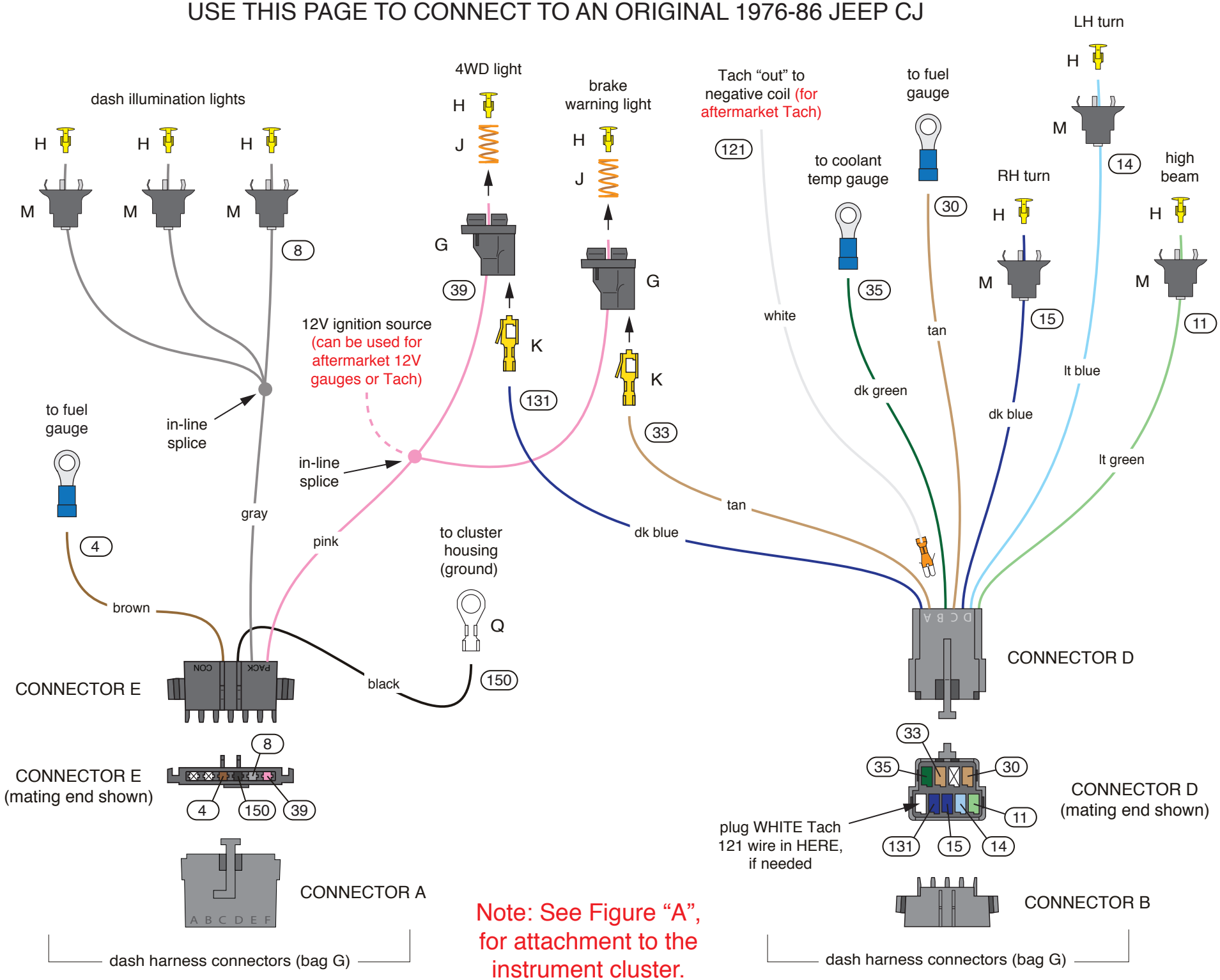
USE THIS PAGE TO CONNECT TO AN ORIGINAL 1976-86 JEEP CJ



Note: See Figure "A", for attachment to the instrument cluster.

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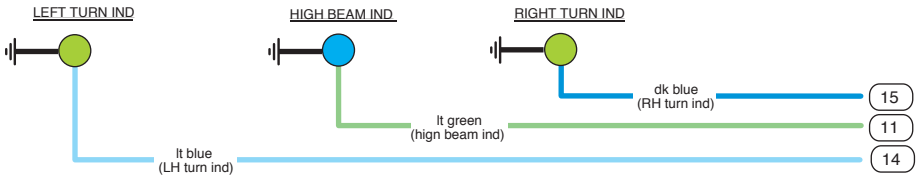
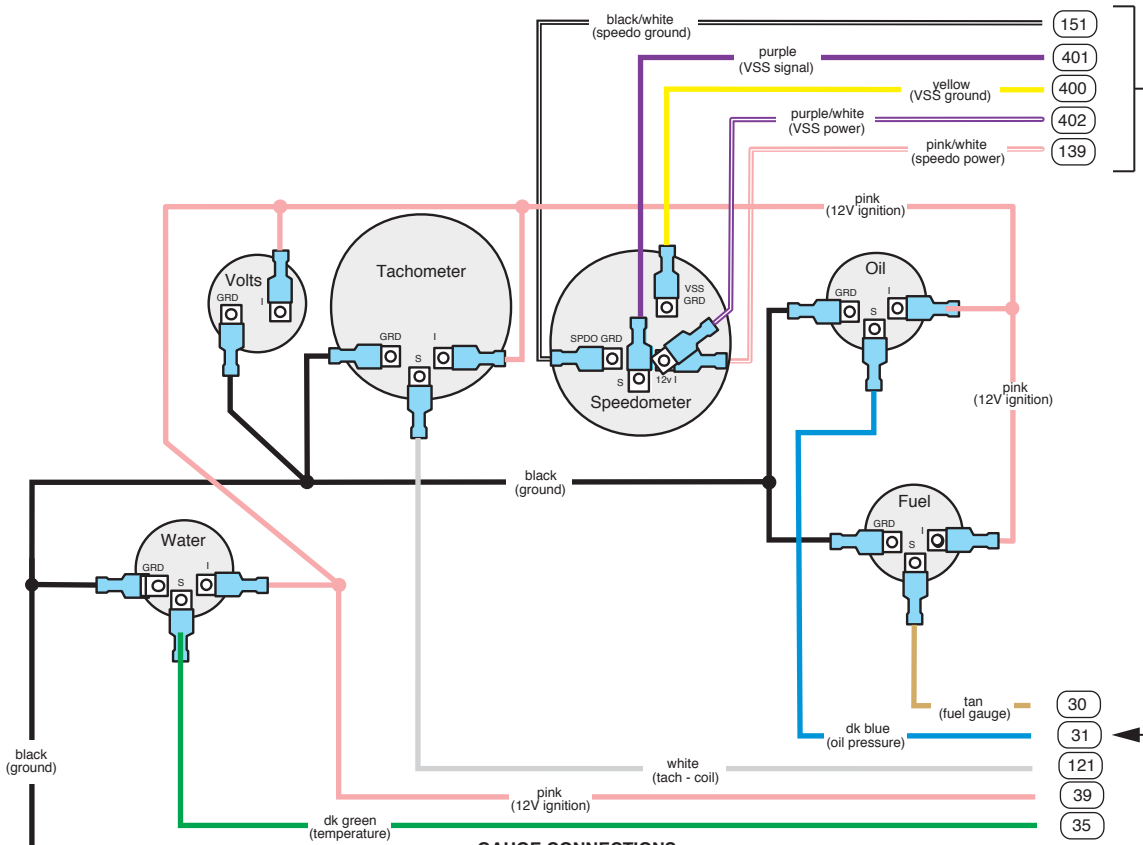
TYPICAL AFTERMARKET GAUGE CONNECTIONS
(BLADE TYPE CONNECTIONS SHOWN)



TURN SIGNAL AND HI-BEAM LIGHT CONNECTIONS

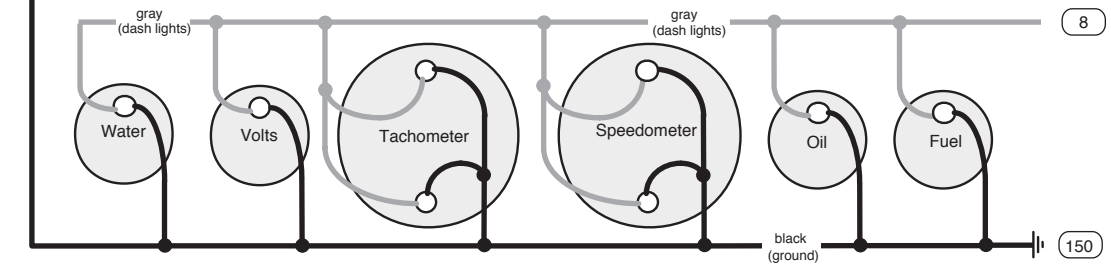


REFER TO PAGE 5.

GAUGE CONNECTIONS

Instrument Cluster Lead Wires

Note: The Oil Pressure Gauge Lead Wire 31, is found in the Dash Harness.



LIGHT CONNECTIONS

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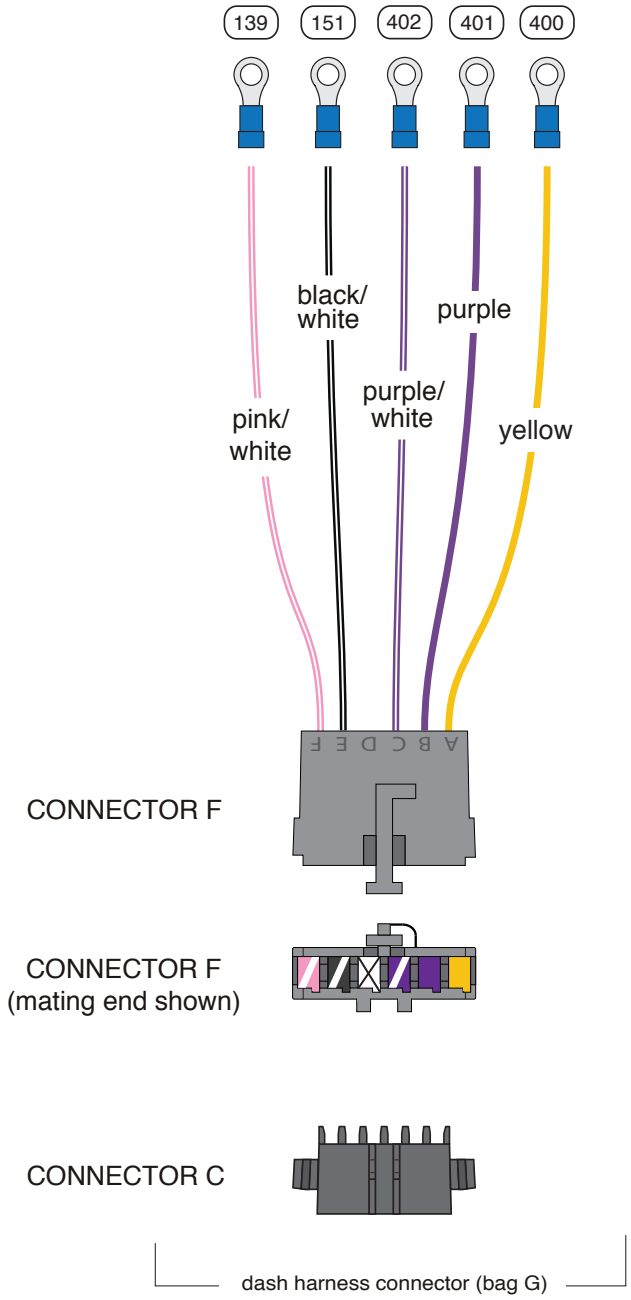

TYPICAL ELECTRIC SPEEDO CONNECTIONS

Below are some general instructions for hooking up an electric speedometer. This connector and these instructions will ONLY be used in the event that you are utilizing an aftermarket electric speedometer. If your car does NOT have an electric speedometer, this connection will NOT be used and should not be plugged onto your dash harness. It is best to consult the speedometer manufacturer's instructions if you have any questions.

Yellow	VSS Ground	Connect to VSS "-" on speedometer.
Purple	VSS Signal	Connect to VSS input on speedometer.
Purple/White	VSS Power	Connect to 12V power on speedometer.
Black/White	Speedo Ground	Connect to ground on speedometer.
Pink/White	Speedo Power	Connect to 12v power on speedometer. NOTE: This wire will double onto the same stud as the purple/white VSS power wire from above.

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