

## CJ REPLACEMENT BI-TORQUE DESIGN FUEL & TEMP GAUGE PAIR

### Temp Gauge Readings

Cold-	High Resistance
Slightly Warm- (130 Deg.)	73 ohms
Beginning of Band- (171 Deg)	36 ohms
End of Band- (242 Deg)	13 ohms



### Fuel Gauge Readings

Empty-	73 ohms
1/2 Tank-	23 ohms
Full Tank-	10 ohms

**Important! Please read instructions completely before installing gauges.**

### INTRODUCTION

This Speedometer assembly utilizes advanced technology and components to provide superior performance. The temp and fuel gauges will require minor wiring revisions. Please note that the required wiring conversion directions are included. Improper installation can cause damage to the gauges and/or other vehicle parts. Installation should be performed by qualified personnel.

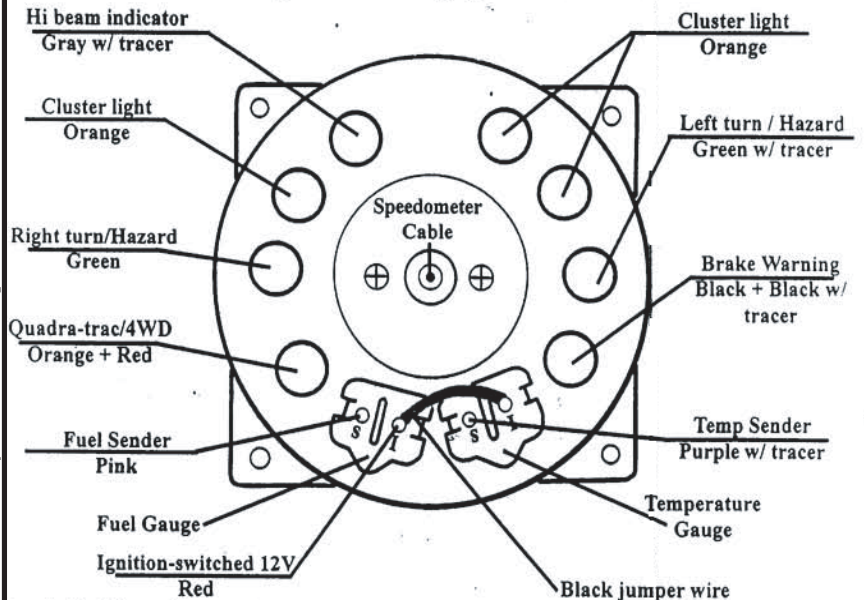
### SPEEDOMETER CLUSTER REMOVAL

Disconnect the battery to eliminate the possibility of an electrical short. Disconnect the speedometer cable. Remove the (4) nuts that hold the cluster into the dash. The cluster can now be easily accessed. Label the wires and their respective locations prior to removing them. Remove the old speedometer cluster.

### INSTALLATION PROCEDURE

Reattach the wiring to the cluster. Refer to the diagram for proper location of each wire and light. It is critical to follow the wiring revisions for the gauges.

Attach all wiring as illustrated. Reinstall the speedometer cluster using the (4) nuts to attach it to the dash. Connect the speedometer cable. Complete the assembly process.



Wiring colors may differ depending on model year.

### GROUNDS

Check all ground points. All ground connections should be cleaned and free of rust and corrosion. If a grounding point has been painted, it must be sanded or cleaned to ensure a proper ground. Please refer to the chart to the right to help track a possible ground fault or malfunctioning gauge.

