



## Mach Meter Display Installation

**Read and understand these instruction before proceeding with the installation**

1. Be sure the ignition switch is off
2. Route the Mach Meter Display wire down the drivers side of the dashboard and through the firewall to the Mach 7
3. Plug the 7 pin connector from the Mach Meter Display into the Mach 7  
(Note: Be sure to align the indexing keys on the display male connector with the indexing keys on the female plug on the Mach 7 to avoid damage to either connector)
4. Route the MAP sensor signal wire for the Mach 7 to the passengers side where the MAP sensor is located.
5. Remove the factory harness from the MAP sensor (Slide the red lock down and depress the connector release tab to up-plug the connector from the MAP sensor.
6. Connect the supplied MAP sensor harness to the factory MAP sensor and connect the factory harness into the other end of the supplied MAP sensor harness.
7. Secure and route all wires away from heat and possible abrasion.
8. Connect the supplied MAP sensor harness to the pigtail connector on the Mach Meter Display.
9. Install the thermocouple probe into the drivers side exhaust manifold. See figure 1

### Mounting Mach Meter Display

1. Pull the instrument bezel away from the dashboard and slip the supplied bracket over the bezel lip and re-install the bezel with the mount cinched between the dashboard and the bezel.
2. Position the mount as desired, mount the Mach Meter Display to the mount with the enclosed Velcro. Be sure the mount is clean to allow good Velcro adhesion. Use a cotton swab and rubbing alcohol to sure the surface is clean if needed.
3. Route remaining wires and tie wrap away from any moving parts such as brake/throttle pedals if needed.

### Operation of the Mach Meter Display

1. The unit is powered up when the ignition is switched turned on. There will be a note searching for Mach 7. Once connected the display will enter into the last display mode chosen.
2. Top button increases to the next higher power level. *Note:Power level default will be set by the knob on the Mach 7.*
3. Bottom button decreases to the next lower level.
4. Middle button scrolls through display mode options.
5. To turn back light on and off, press the down button until the back light goes off and press again to turn on.
6. There is a brightness control on the back side of the display. Turn clockwise to increase brightness. If it is turned to low then the lights will go out.

## 6L NAVISTAR/FORD POWERSTROKE ENGINE BOOST-PYROMETER GAUGE INSTALLATION

1. The thermocouple (temperature probe) is installed into the driver's side exhaust manifold. Drill and tap the exhaust manifold for 1/8" pipe (1/8" pipe tap uses "R" drill .339) on the flat located at the bottom of the manifold. Use grease on the drill and tap to prevent chips from entering the manifold. Install the thermocouple fitting into the manifold using an anti-seize thread compound. The thermocouple should be installed into the fitting with its tip protruding approximately 3/4" into the manifold.



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