

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.
- 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.
- 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

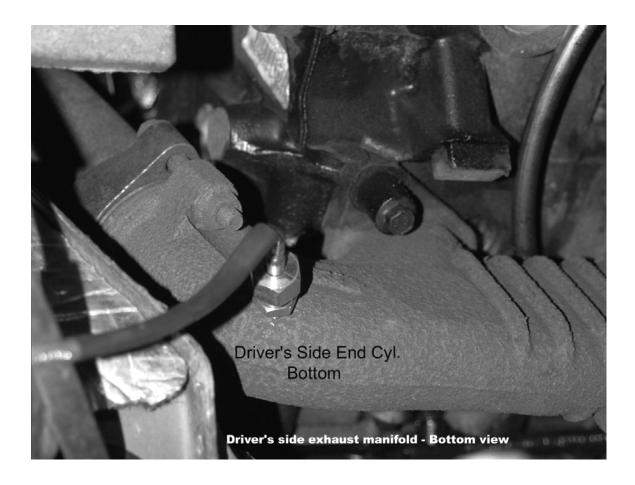
- 1. Pull the instrument bezel away from the dashboard and slip the supplied bracket over the bezel lip and re-install the bezel with the mount cinched between the dashboard and the bezel.
- Position the mount as desired, mount the Mach Meter Display to the mount with the enclosed Velcro. Be sure the 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 petals 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 <u>bottom</u> 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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