

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80127

303-665-6901 303-665-7021 fax www.markwilliams.com



Bulletin #43 page 1 of 1 RPM Pick Up components October '99

PART NUMBERS:	DESCRIPTION
57640.....	Ring & bracket assembly for standard pinion 9" Ford (MW yoke or coupler). 1.875" bore.
57646.....	Ring & bracket assembly for large pinion 9" Ford (MW yoke or coupler). 2.187" bore.
57644.....	Pick up sensor assembly (not included kits above).

PARTS INCLUDED:	
1 - 57642.....	2 piece aluminum ring w/stainless screws. Will hold up to 4 magnets. 1.875" bore (57640 kit).
1 - 57645.....	2 piece aluminum ring w/stainless screws. Will hold up to 4 magnets. 2.187" bore (57646 kit).
x - 57643.....	Pick up magnet (.25" x .25"). Add -1,-2 or -4 to part number for magnets needed.
x - 57647.....	Plastic retaining plug for magnets.
1 - 57641.....	Sensor mounting bracket for 5/16" dia. sensor.



PRIMARY APPLICATIONS:
Drag racing, Oval track, Street or other application with compatible data acquisition system.

INSTALLATION OVERVIEW:

- 1) Determine the correct number of magnets for the system being used. Some systems that require 4 magnets also require the magnets be installed with alternating poles on the magnets (north, south, north, south).
- 2) Install magnets in the holes in the ring from the inside (the holes have a small lip at the outer end to prevent the magnets from sliding thru). With single magnet applications, the magnet can be installed in any one of the 4 holes. With 2 magnet applications, the magnets must be installed 180 degrees apart. Place the O.D. of the ring against a steel surface, this will pull the magnets to end of the holes. Push the black retaining plugs into the holes behind the magnets. Trim the excess plug material away with a razor (insert on Diagram A).
- 3) Install 2 pc. aluminum ring around pinion yoke or coupler directly in front of the pinion seal (part number and MW logo should face toward the front of the car). Alternate tightening stainless screws to maintain the same gap at the parting line on both sides of the rings.
- 4) Install sensor mounting bracket on one of the pinion support bolts or studs (Diagram A).
- 5) Install sensor in bracket, centering sensor over aluminum ring. Adjust air gap per computer mfg. instructions.

TORQUE SPECS:

Tighten stainless screws in ring and jam nuts on sensor (do not over-tighten). Torque pinion support nut or bolt per mfg's specifications with sensor bracket installed.

MAINTENANCE REQUIREMENTS:

Periodic check of all fasteners.
Check sensor air gap. Periodic check of sensor for continuity. Make sure there is no tension on sensor wiring.

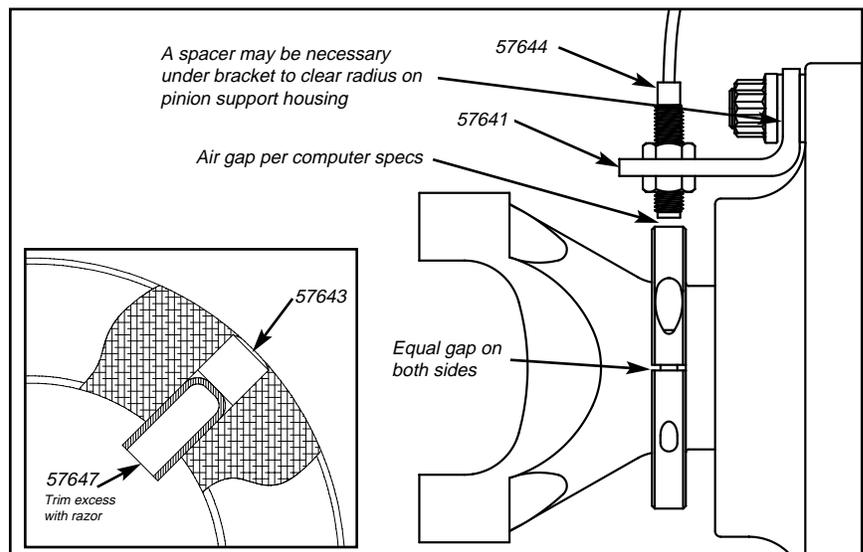


Diagram A