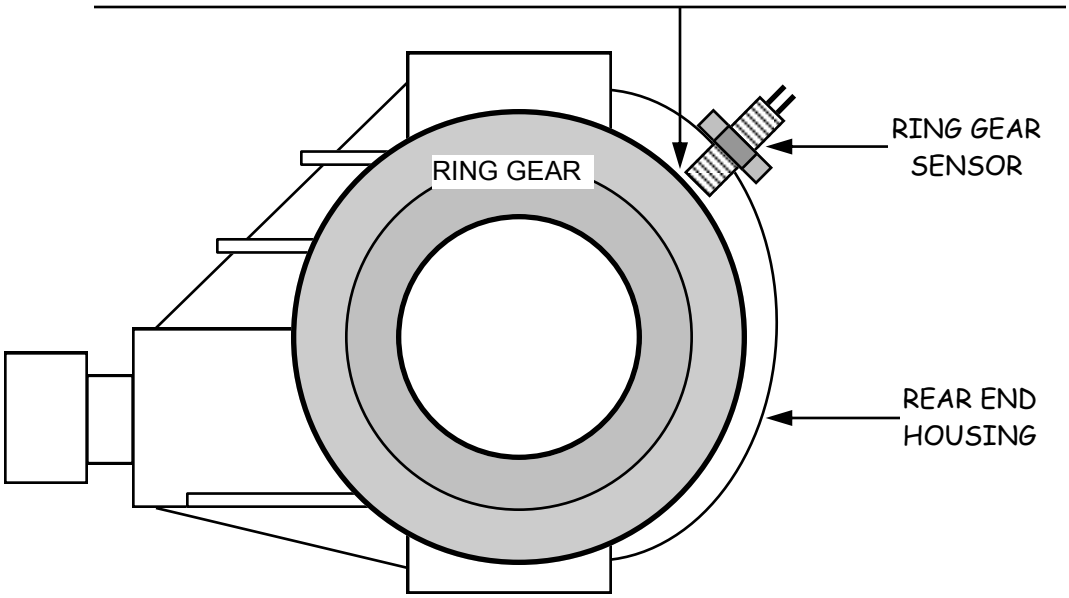
INSTRUCTIONS FOR USE OF THE RACEPAK 800-SS-MSC-3 SENSOR

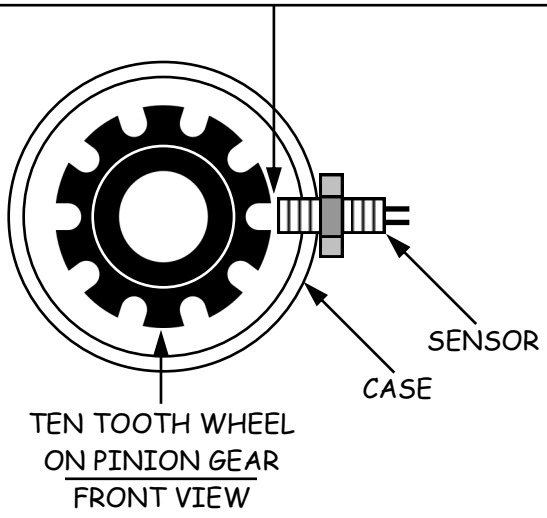
The Racepak RPM Sensor #800-SS-MSC-3 (3 pin connector, 3/8-24 thread) is used to monitor the rotation of various ferrous devices. Typical of these are the ring gear, a pinion gear wheel, and the front wheel. However, there are some subtle difference that should be observed when using this powered sensor on these different application.

RING GEAR INSTALLATION: Adjust the air gap between the sensor and the teeth on the ring gear by bottoming the sensor against a ring gear tooth and then backing the sensor out **one full turn** counter clockwise (approximately .040").



IMPORTANT: The jam nut on the sensor must be non-ferrous on either of these application.

PINION INSTALLATION: Adjust the air gap between the sensor and the ten tooth ring on the pinion gear by bottoming the sensor against the high point of a tooth and then backing the sensor out **three full turns** counter clockwise (approximately .125").



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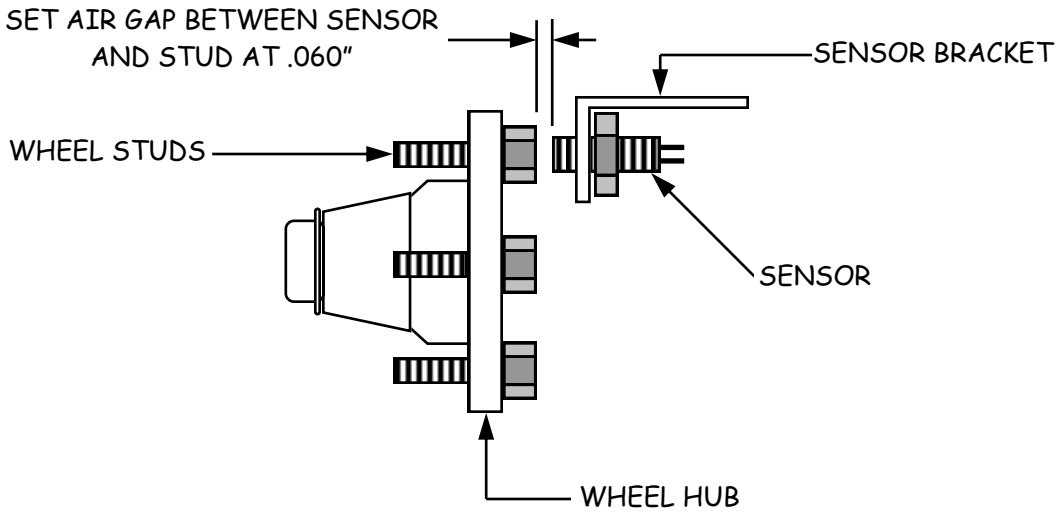
FRONT WHEEL RPM INSTALLATION: When using the 800-SS-MSC-3 sensor to monitor the front wheel RPM it is common to use the wheel studs as the devices that 'trigger' the sensor. If you plan to use the five wheel studs in this manner there are some rules that must be followed. First, and most important, the studs must be made of a **ferrous material**. Secondly, they cannot be an Allen Head type of fastener, as the recess in the head of an Allen bolt will cause the sensor to register twice for each passing stud. The use of hex head studs is advisable. If you have a spindle mount wheel, and are fabricating a mount for the triggering studs, the use of 3/8" hex head bolts will work well.

Air gap between the sensor and the ferrous material should be set at approximately .060".

IMPORTANT: The jam nut on the sensor must be non-ferrous.



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