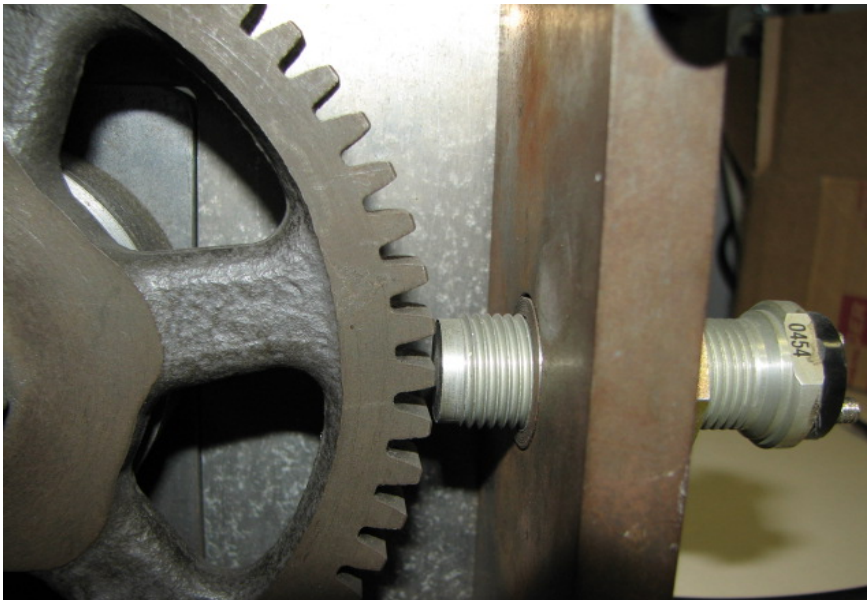


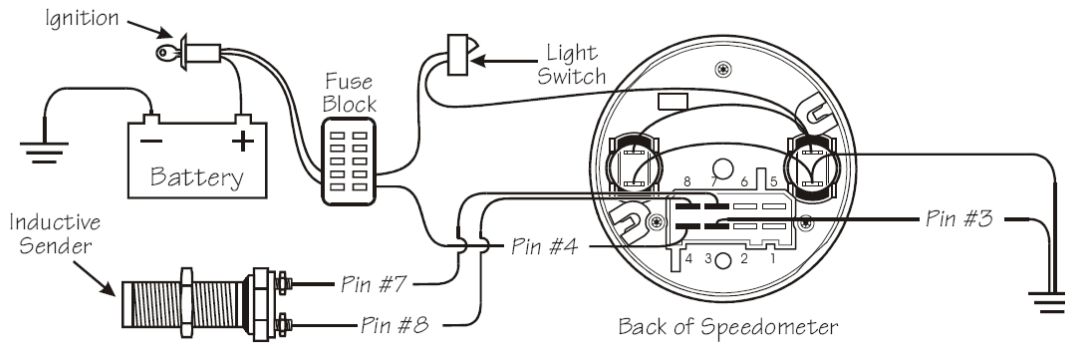
Product: Speedometer / Tachometer	Description Inductive senders	Date Jan 08
Type: Electrical		2

- ❖ Inductive senders contain a magnet with a coil around the magnet.
- ❖ When a tooth on a gear passes in front of the magnet, a small current is generated in the coil. This current is sensed by the users control unit to indicate that the gear tooth is in front of the magnet.
- ❖ The air gap between the end of the magnet and the top of the gear tooth should be 1mm +/- 0.1mm. (Typically this is done by turning in the sender until you just touch the tooth gear, than back sender out by 1/2 turn) This is always referenced from the highest tooth on the gear to prevent unwanted contact between sender and gear tooth.
- ❖ Inductive senders are very robust and are potted to be protected from environmental effects. There must be no contacts between the gear tooth and the sender magnet.
- ❖ If the magnet is damaged, there will be a loss of signal.

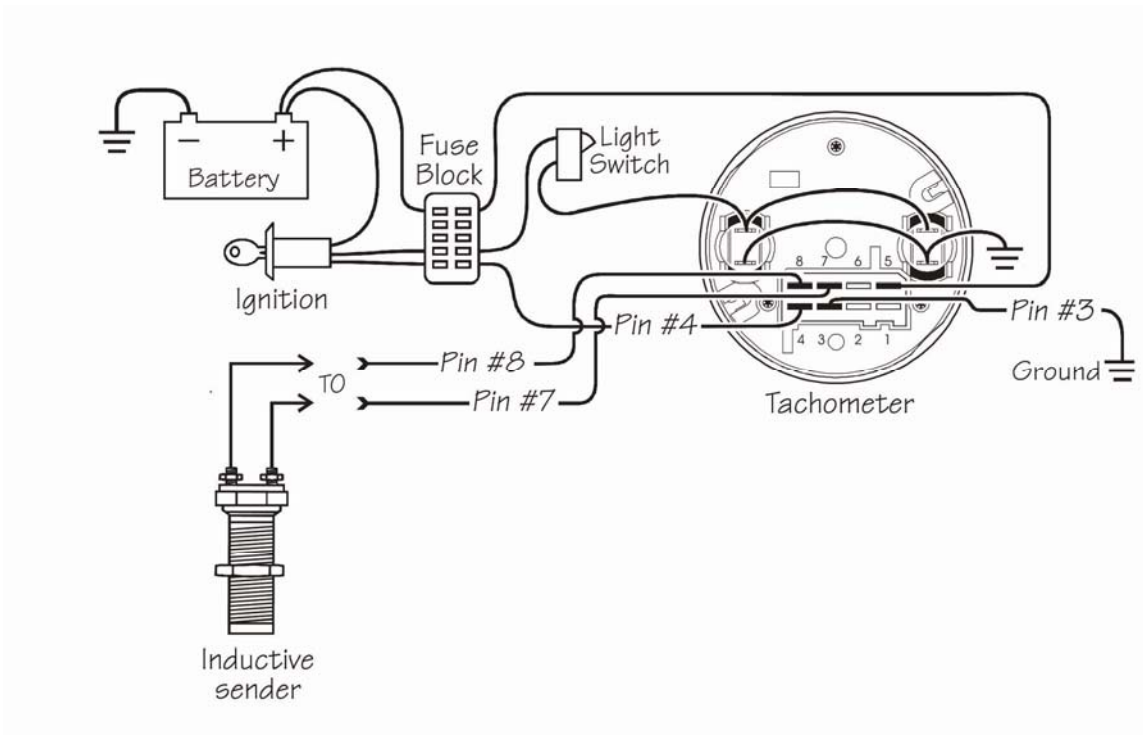
Demonstrates proximity of sender to toothed gear



2



❖ Inductive Sender with Speedometer Application.



❖ Tachometers without an engine hourmeter CANNOT be used with Inductive Senders.

Automotive