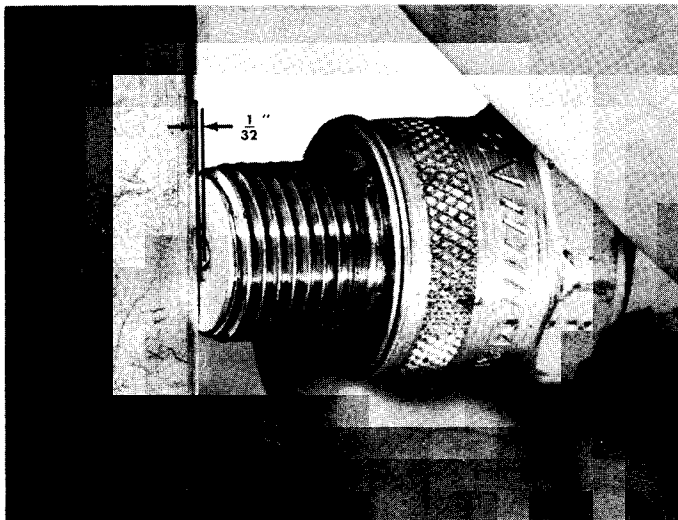


Figure 1. Spark Plugs - Conventional (Top) and Polar Gap (Below)



POLAR GAP SPARK PLUGS

If spark plug center electrode is not burned back 1/32" (.8mm) below insulator, it will function properly. (Figure 1, bottom) Do not replace for other than this reason.

Be sure plugs being replaced are definitely misfiring; deposit accumulation can be deceiving.

SPARK PLUG INSTALLATION

Inspect spark plug hole threads and clean before installing plugs.

CAUTION: Crank engine several times to blow out any material which might become dislodged during cleaning operation.

2. Install spark plugs in engine with new gaskets and tighten to 20 ft. lbs. torque. Improper installation is one of the greatest single causes of unsatisfactory spark plug performance. Improper installation is the result of one or more of the following practices:

CAUSE	RESULT
<i>Insufficient Torque (to fully seat gasket)</i>	<i>Compression loss. Early plug failure.</i>
<i>Excessive Torque</i>	<i>Reduced operating life. Complete destruction from inability to dissipate heat rapidly.</i>
<i>Dirty Gasket Seal</i>	<i>High temperatures. Early plug failure. Compression loss.</i>
<i>Corroded Spark Plug Hole Threads</i>	<i>Excessive high temperatures. Early failure from overheating.</i>

3. Always use a new gasket and wipe seats in head clean. Gasket must be fully compressed on clean seats to complete heat transfer and provide a gas tight seal in the cylinder. For this reason, as well as the necessity of maintaining correct plug gap, the use of correct torque is extremely important during installation.

RADIO INTERFERENCE SUPPRESSION

1. Radio and ship-to-shore telephone interference can be partially eliminated on 6-cylinder models (without Thunderbolt Ignition) by using resistor type spark plugs. DO NOT use resistor type spark plugs on 2 and 4-cylinder models with magneto ignition.
2. A Resistor Cable Kit, which will eliminate the majority of interference originating in the engine's ignition system, also is available for 6-cylinder models which do not have Thunderbolt Ignition.
3. Interference can be partially eliminated on 4 and 6-cylinder models with Thunderbolt Ignition by installing Bonding Kit, Radio Noise Suppression (A-47171A1).
4. It should be noted that the quality of the receiver, antenna location and radio frequency used determines the effectiveness of any suppression equipment.

"3" Carburetors

FLOAT LEVEL AND DROP ADJUSTMENTS

1. Remove cowl.
2. Remove filter cover(s) and fuel filter(s).
3. Remove float bowl cover(s) and float(s).

NOTE: On electric models, it may be necessary to remove starter motor.

4. Inspect carburetor bowl(s) for sediment, gum or varnish deposits. If dirt, gum or varnish is present, it will be necessary to remove carburetor(s) and clean, as outlined in Section V of this manual.