FORD CYLINDER REPAIR KIT INSTRUCTIONS:
It is recommended to have the following other tools when performing this job: Bore Scope, Air Gun with extended end or hose, Starter Button to turn engine over, Cutting Oil, and Shop Rag.

1) **Make sure the valves are closed and piston is down.** You do not want shavings spread throughout the engine or to damage the piston with the drill. Use the cylinder leak detector to make sure these valves are closed. Plug the rubber stopper on the leak detector into the cylinder and connect to shop air. Use T-valve to let about 60 cu.ft of air an hour or enough that you can hear and feel a volume of air, into the cylinder. The rubber cone "popping" out of the cylinder indicates the valves are closed.

2) Use a bore scope to make sure that the piston is down at least 2" to 4".

3) Insert the guide into the cylinder. Insert Core Drill through the guide. It is important to use a quality air ratchet. Bore out old threads. Remove the core drill and guide.

4) **Use the air gun to blow out all of the shavings in the cylinder.**

5) Insert the tap into the guide. Insert the guide into the cylinder. Use the air ratchet to tap the hole that was previously drilled. You can put cutting oil onto the threads of the tap.

6) **IMPORTANT!! Use an air gun to blow the shavings out of the cylinder.** Use the bore scope to make sure that there is not any material left in the cylinder. Material left can cause engine damage.

7) Screw the spark plug into the patented insert. Spread JB Weld or another heat resisting metal bonding material on the outer threads of the insert. **DO NOT USE A QUICK SET VARIETY.**

8) Use your air ratchet to run the spark plug and insert into the head. This insert will become part of the engine.

9) You can now reconnect the coil and the boot. The Job is now complete.

*Patent # 6,668,784 - ASSEMBLED IN USA WITH GLOBAL COMPONENTS*
FORD CYLINDER REPAIR KIT INSTRUCTIONS

It is recommended that you have the right length extensions and socket picked out before starting. In some cases there is barely enough room to get your hands in, so make sure you have a QUALITY Air Wrench before you even drill out the old threads.

Other tools to have at hand are a bore scope, a modified air gun with flexible 1/4" clear tubing attached to the end of the air gun and a starter button to turn over the engine. Use spark plug to test inner threads of insert. Should be a smooth, secure fit. All good techs pre-check all of the parts to every job before starting. If you ever find a defective insert, we will replace it, but we will NOT be responsible for mechanic error. You can also use a 3/4" die to clean up the threads. This system has been tested for over 4 years without failure.

This system is for use on 4.6L, 5.4L, and 6.8 V-10 Ford Triton Engines. Please watch the video for comprehensive instructions on the proper use of this product.

ALWAYS WEAR SAFETY GLASSES.
It is recommended to have the following other tools when performing this job: Bore Scope, QUALITY Air Gun with extended end or hose, Starter Button to turn engine over, Cutting Oil, and Shop Rag.

1) **Make sure the valves are closed and piston is down.**
   You do not want shavings spread throughout the engine or to damage the piston with the drill. Use the cylinder leak detector to make sure these valves are closed. Plug the rubber stopper on the leak detector into the cylinder and connect to shop air. Use T-valve to let about 60 cu.ft of air an hour or enough that you can hear and feel a volume of air, into the cylinder. The rubber cone “popping” out of the cylinder indicates the valves are closed.

2) **Use a bore scope to make sure that the piston is down at least 2" to 4".**

3) **Insert the guide into the cylinder. Insert Core Drill through the guide.** It is important to use a quality air ratchet. Bore out old threads. Remove the core drill and guide. (See Figure 1)

4) **Use the air gun to blow out all of the shavings in the cylinder.**

5) **Insert the tap into the guide. Insert the guide into the cylinder. Use the air ratchet to tap the hole that was previously drilled.** You can put cutting oil onto the threads of the tap. (See Figure 2)

6) **IMPORTANT!! Use an air gun to blow the shavings out of the cylinder.** Use the bore scope to make sure that there is not any material left in the cylinder. Material left can cause engine damage. (See Fig.3)

7) **Screw the spark plug into the patented insert. Spread JB Weld or another heat resisting metal bonding material on the outer threads of the insert. DO NOT USE A QUICK SET VARIETY.**

8) **Use your air ratchet to run the spark plug and insert into the head.** This insert will become part of the engine. (See Figure 4)

9) **You can now reconnect the coil and the boot. The Job is now complete.**
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<thead>
<tr>
<th>ITEM#</th>
<th>ORDERING PART#</th>
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<td>389-400</td>
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<td>5</td>
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