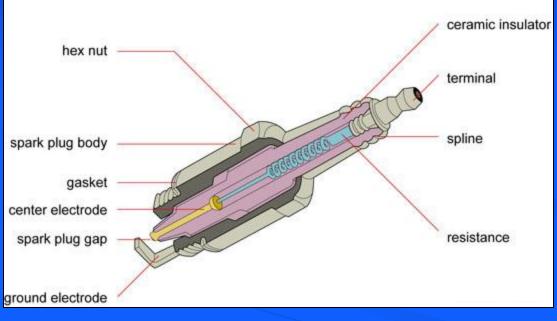
Spark Plugs



Spark Plugs ignite the air fuel mixture in the engine.

≈10,000 volts jumps the gap between the center electrode & ground electrode



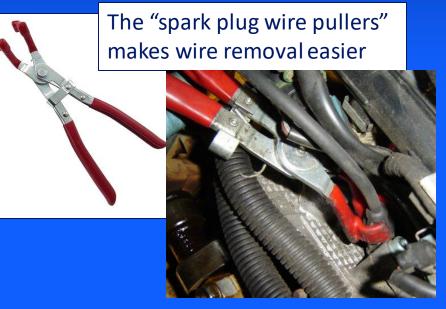


AUTOMOBILE SPARK PLUG

Removing Spark Plugs

1. Remove plug wire by twisting off the spark plug wire boot

Don't pull the plug wire!





Remove one spark plug at a time, or mark the plug wires so they can be installed in the same location!

• use compressed air to blow out debris from around the spark plug

• use a spark plug socket & ratchet to remove the plug...





note the hex at the top & the rubber insert which differentiates this socket from standard sockets

Spark Plugs

check for electrode wear...



Inspecting the Plugs

Inspect for abnormal deposits...

Oil Fouled





Fuel Fouled



Gapping New Spark Plugs



> use the under-hood tune-up decal or consult Mitchell

> under-hood tune-up decal



Gapping the plugs

use a plug gapping tool to set the gap
the "L" shaped ground electrode is bent carefully
do not use feeler gauges





Corroded or Carbonized Threads ?

- use a thread chaser
- stripped threads require a Heli-Coil insert



Installing the plugs...



Tightening the plugs...

• use a torque wrench or a socket & ratchet to tighten securely

Tapered seat: install by hand then tighten additional 1/16 to 1/8 turn



Gasket type: install by hand then tighten additional ¼ to ½ turn

Types of plugs...









