

Spark Plug

Refer to *Safety Precautions* on page 19.

Spark Plug Recommendation

The recommended standard spark plug is satisfactory for most racing conditions.

Standard	CR8EH-9 (NGK)
	U24FER9 (DENSO)
Optional	CR9EH-9 (NGK)
	U27FER9 (DENSO)

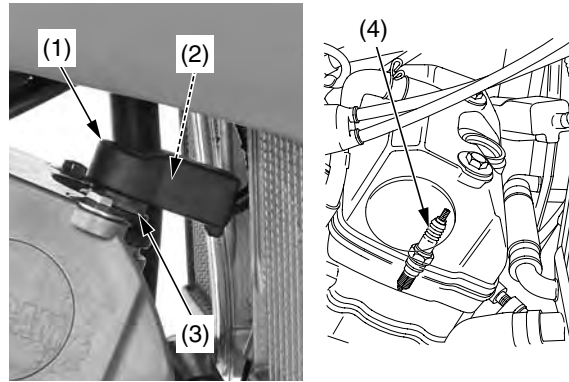
Use only the recommended type of spark plugs in the recommended heat range.

NOTICE

Using a spark plug with an improper heat range or incorrect reach can cause engine damage. Using a non-resistor spark plug may cause ignition problems.

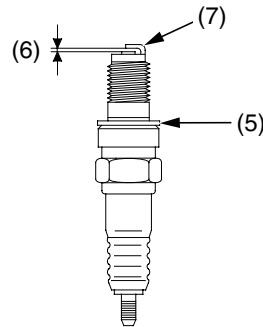
Spark Plug Inspection & Replacement

1. Pull the dust cover (1) back.
2. Disconnect the direct ignition coil connector (2).
3. Disconnect the direct ignition coil (3).
4. Clean any dirt from around the spark plug base.
5. Remove the spark plug (4).



(1) dust cover (2) direct ignition coil connector (3) direct ignition coil (4) spark plug

6. Check the electrodes for wear or deposits, the sealing gasket (5) for damage, and the insulator for cracks. Replace if you detect them.
7. Check the spark plug gap (6) using a feeler gauge, and adjust by carefully bending the side electrode (7).
The recommended spark plug gap is:
0.031 – 0.035 in (0.8 – 0.9 mm)



(5) sealing gasket
(6) spark plug gap
(7) side electrode

8. To obtain accurate spark plug readings, accelerate up to speed on a straightaway. Push the engine stop button and disengage the clutch by pulling the lever in. Coast to a stop, then remove and inspect the spark plug. The porcelain insulator around the center electrode should appear tan or medium gray.

If you're using a new plug, ride for at least 10 minutes before taking a plug reading; a brand-new plug will not show color initially.

If the electrodes appear burnt, or the insulator is white or light gray (lean) or the electrodes and insulator are black or fouled (rich), there is a problem elsewhere ([page 122](#)). Check the carburetor, fuel system and ignition timing.

9. With the sealing gasket attached, thread the spark plug in by hand to prevent cross-threading.
10. Tighten the spark plug:
 - If the old plug is good:
1/8 turn after it seats.
 - If installing a new plug, tighten it twice to prevent loosening:
 - a) First, tighten the plug:
NGK: 1/2 turn after it seats.
DENSO: 1 turn after it seats.
 - b) Then loosen the plug.
 - c) Next, tighten the plug again:
1/8 turn after it seats.

NOTICE

An improperly tightened spark plug can damage the engine. If a plug is too loose, a piston may be damaged. If a plug is too tight, the threads may be damaged.

11. Connect the direct ignition coil. Take care to avoid pinching any cables or wires.
12. Connect the direct ignition coil connector.
13. Install the dust cover.