

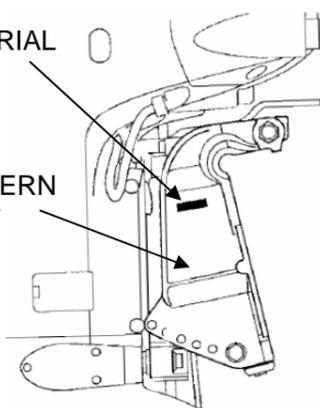


SERIAL NUMBERS

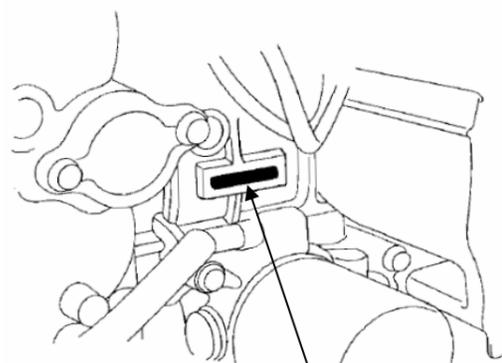
Location of frame / engine serial number

FRAME SERIAL NUMBER

RIGHT STERN BRACKET



The frame serial number is stamped on a plate attached on right stern bracket.



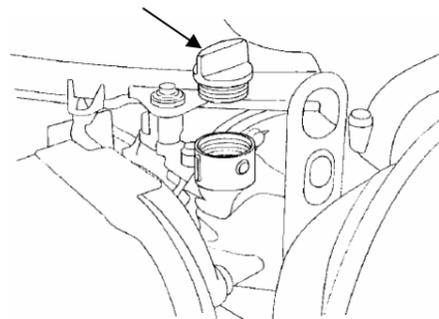
ENGINE SERIAL NUMBER

The engine serial number is stamped on the upper right side of the engine.

ENGINE OIL

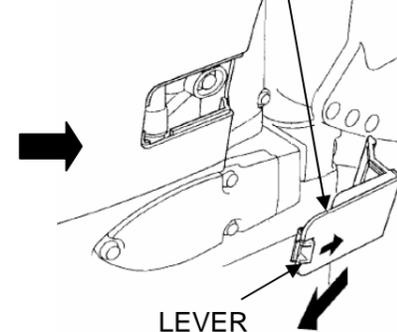
Engine oil replacement

OIL FILLER CAP



Position the outboard motor vertically, and remove the engine cover. Remove the oil filler cap.

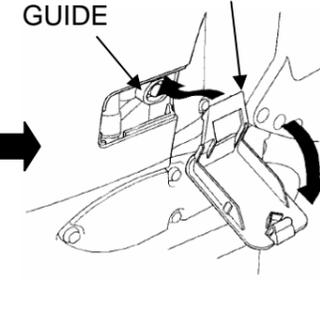
DRAIN PLUG COVER



Push the drain plug cover lever and remove the cover while pulling the cover backward at an angle.

LEVER

DRAIN PLUG COVER



Set the drain plug cover under the guide.

GUIDE

DRAIN PLUG COVER

GUIDE

ENGINE OIL

Engine oil replacement

SEALING WASHER (replace)

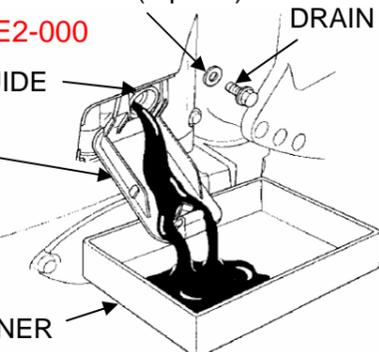
90601-ZE2-000

DRAIN BOLT

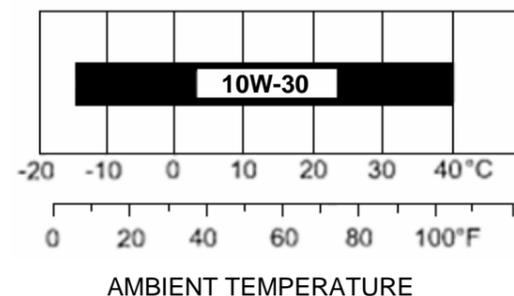
GUIDE

DRAIN PLUG COVER

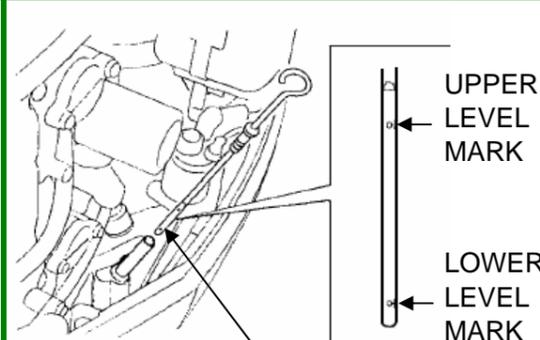
CONTAINER



Remove the engine oil drain bolt and sealing washer using the 12 mm wrench (not supplied in the tool kit) and drain the engine oil.

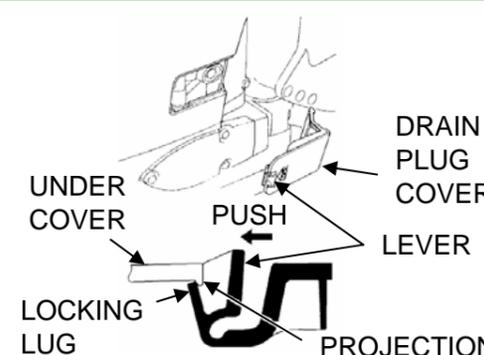


Recommended oil: SAE 10W-30
(Honda 4-stroke oil or an equivalent)
API Service Category: SG, SH or SJ
Oil capacity: 6.5 ℓ
With oil filter replacement: 6.7 ℓ



OIL LEVEL DIPSTICK

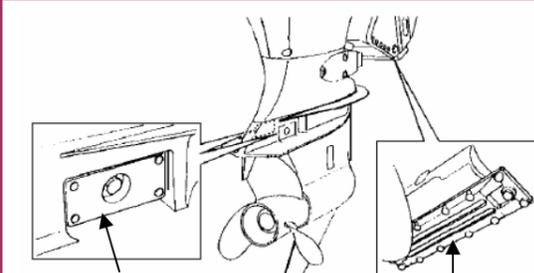
Refill to the upper level mark on the oil level dipstick with the recommended oil.



Install the oil drain plug cover. Reinstall the oil filler cap securely. Do not overtighten. Install and lock the engine cover securely.

ANODE

Location of anode (outside engine)



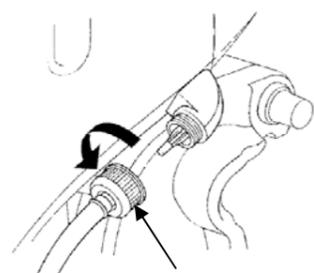
ANODE (each side of extension case)

ANODE (stern bracket)

Replace the anode metal when it has been reduced to **approximately one third** of its original size.

CLEANING AND FLUSHING

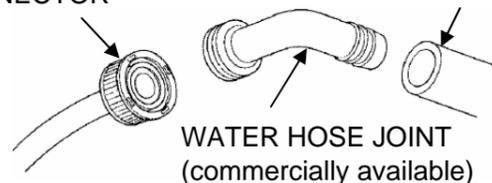
Location of flush plug connector



FLUSH PLUG CONNECTOR

FLUSH PLUG CONNECTOR

WATER HOSE



WATER HOSE JOINT (commercially available)

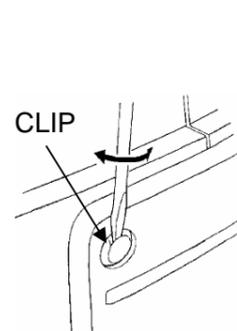
Shut off the engine before performing the cleaning and flushing.

- Tilt down the outboard motor.
- Clean and wash the outside of the outboard motor with fresh water.

- Turn on the fresh water supply to the hose and flush the motor for **at least 10 minutes**.
- Tilt up the outboard motor and move the tilt lock lever to the LOCK position after flushing.

SPARK PLUG

Removal and inspection

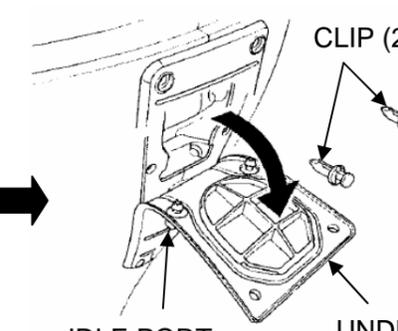


CLIP

UNDER COVER GROMMET

UNDER COVER

CLIP



CLIP (2)

IDLE PORT

UNDER COVER GROMMET

Disconnect the battery negative (-) terminal. Unlock and remove the engine cover.

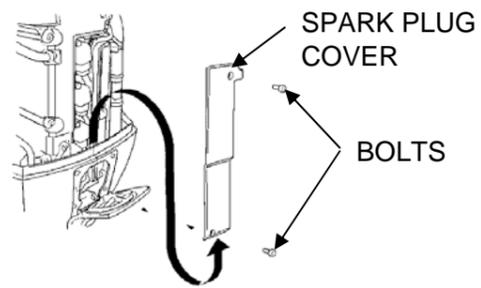
Remove the two clips from the upper part of the under cover grommet.

To remove the clips, raise the inner part of each clip with a screwdriver, then pull out the clips. Fold down the upper part of the under cover grommet without removing it from the idle port. **NOTICE:** Do not try to remove the clip with force without raising the inner part of the clip. Otherwise, it can damage the clip and/or under cover.

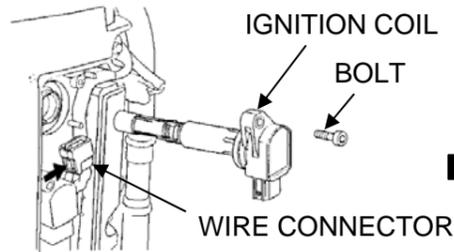


SPARK PLUG

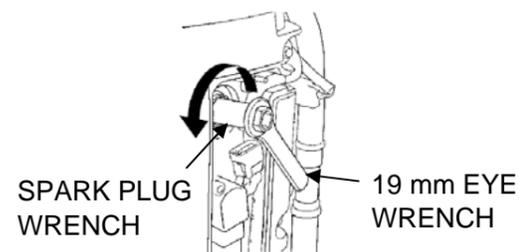
Removal and inspection



Remove the two bolts with the 6 mm hex wrench, and remove the spark plug cover. Use a hex. wrench to remove the bolt holding the ignition coil. Move the ignition coil to a position that allows to remove the wire connector easily.

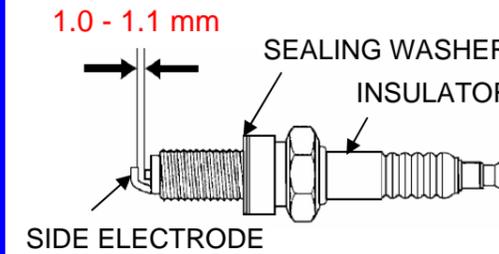


Disconnect the wire connector from the ignition coil by pushing on the lock tab and pulling on the connector. Pull on the plastic connector, not the wires. Remove the ignition coil by pulling it up slightly. Take care not to give an impact or drop the ignition coil. Replace the ignition coil if dropped it.



Use the spark plug wrench and 19 mm eye wrench supplied in the tool kit to remove the spark plugs. Visually inspect the spark plugs. Discard the spark plugs if there is apparent wear, or if the insulators are cracked or chipped.

Recommended spark plug



<Standard Spark Plug>
Recommended spark plug: ZFR6K-11 (NGK)
KJ20DR-M11 (DENSO)
<Optional Parts: Iridium Spark Plug>
Recommended spark plug: IZFR6K-11 (NGK)
SKJ20DR-M11 (DENSO)

Measure the plug gaps with a wire-type feeler gauge. Correct as necessary by carefully bending the side electrode (**standard spark plug only**). If the gap is out of specification, replace the spark plug with a new one (**iridium spark plug**). Do not clean the spark plugs (**iridium spark plug**). Thread the plugs in by hand to prevent cross threading. After the spark plugs are seated, tighten with a spark plug wrench to compress the washers.

See the owner's manual for additional information.

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