

# MAINTENANCE

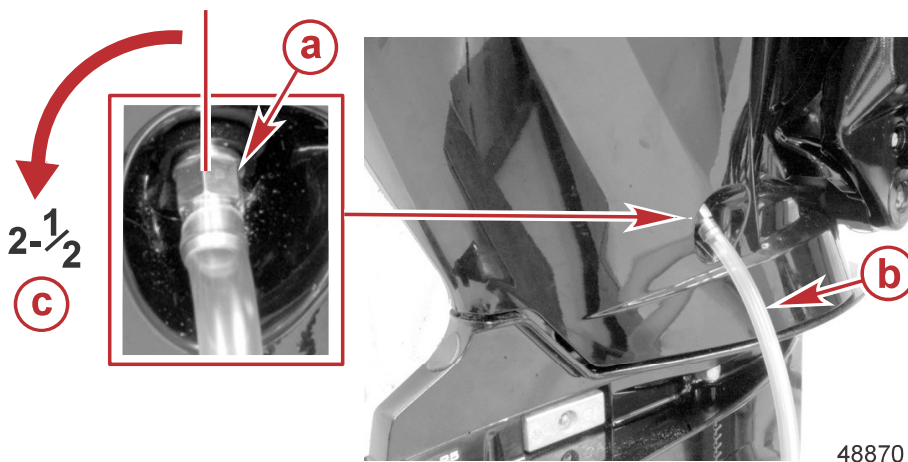
2. Tilt the outboard to a vertical position.
3. Use a 16 mm (5/8 in.) wrench and loosen the oil drain valve so that it can be turned by hand. Be careful not to open the valve too far allowing oil to drain.
4. Attach a 12 mm (7/16 in.) I.D. drain hose to the oil drain valve. Position the opposite end of the hose into an appropriate container.
5. Loosen the oil drain valve 2-1/2 turns to allow oil to drain. Do not exceed 2-1/2 turns.

**IMPORTANT: Do not loosen the oil drain valve more than 2-1/2 turns out. The oil seal could get damaged beyond 2-1/2 turns.**

6. After the oil has drained, hand-tighten the oil drain valve (clockwise) and remove the oil drain hose.
7. Tighten the oil drain valve to the specified torque. Clean up any oil in the valve area.

Description	Nm	lb-in.	lb-ft
Oil drain valve	15	133	–

**IMPORTANT: Overtightening the oil drain valve can damage the oil sump.**



- a** - Oil drain valve
- b** - Drain hose
- c** - Loosen 2-1/2 turns maximum

## CHANGING OIL FILTER

1. Remove the plug from the oil trough and attach a 12 mm (7/16 in.) I.D. drain hose to the fitting. Position the opposite end of the hose into an appropriate container.
2. Unscrew the old filter by turning the filter to the left.
3. Allow oil in the trough to drain and remove the oil drain hose.
4. Clean any oil from the oil trough and install the plug.