

Service Tools - 25 Thru 250

POWERHEAD STAND 91-827001A1

INSTALLER - BEARING FORWARD GEAR 91-856875A1

TWIN PRESSURE GAUGE 91-852087A2

ADAPTER KIT 91-803804A1 FUEL SIDE

ADAPTER KIT 91-803805A1 AIR SIDE

HOSE CLAMP TOOL KIT 91-803146A2

Powerhead Stand 91-827001A1

APPLICATION:

2 Stroke Models

30/40 (2 cylinder) - Mariner/Mercury

40/50 (3 cylinder) - Mariner/Mercury

40/50 (2 cylinder) - Force

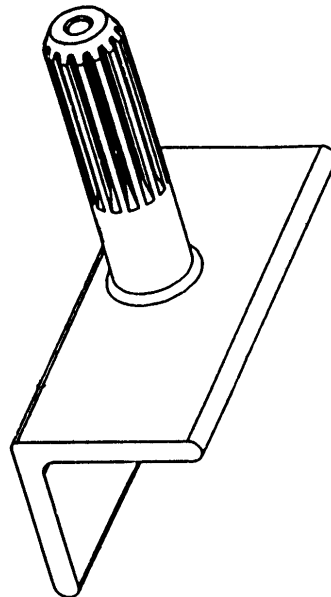
4 Stroke Models

25 (2 cylinder) - Mariner/Mercury

30/40 (3 cylinder) - Mariner/Mercury

45/50 (4 cylinder) - Mariner/Mercury

91-827001A1 will supersede 91-855662A1 (25, 30/40, 45/50 four stroke models) and old Sanshin powerhead stand 91-83198M (25C, 28, 30, 40A/40B models).



Installer - Bearing Forward Gear 91-856875A1

APPLICATION:

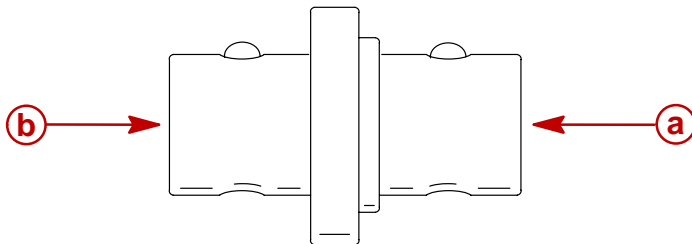
2 Stroke Models

- 60 (3 cylinder) Big Foot - Mariner/Mercury
- 70/75/80/90 (3 cylinder) - Mariner/Mercury
- 100/115/125 (4 cylinder) - Mariner/Mercury
- 75 (3 Cylinder) 1999 Only - Force
- 90 (3 Cylinder) 1995 and newer - Force
- 120 (4 cylinder) 1995 and newer - Force

4 Stroke Models

- 40 Big Foot (3 cylinder) - Mariner/Mercury
- 50 Big Foot (4 cylinder) - Mariner/Mercury

The tool is now in stock. The 75-125 service manual 90-830234R3 shows the wrong line art on page 6A-21 and 6A-22. The manual will be corrected at the next revision. The application chart and the descriptions are correct. When servicing the 3 jaw reverse clutch gearcase, the forward gear bearing should be inserted on the end of the tool stamped "3". The tool will install the bearing to the correct depth of 0.155 inch (3.94 mm). When servicing the 6 jaw reverse clutch gearcase, the forward gear bearing should be inserted on the end of the tool stamped "6". The tool will install the bearing flush with the gear surface.



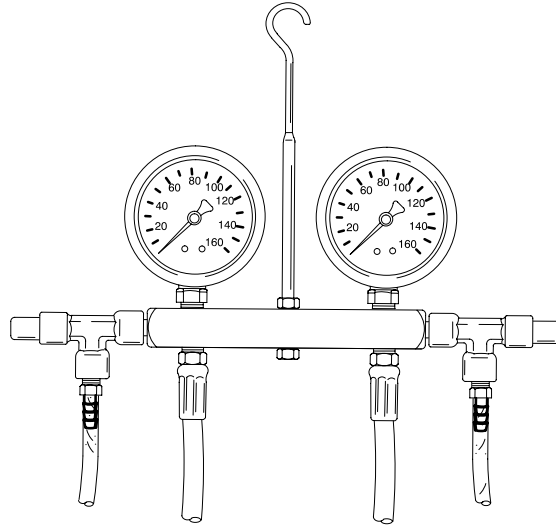
- a** - Stamped "3" For 3 Jaw Reverse Clutch Gearcase
- b** - Stamped "6" For 6 Jaw Reverse Clutch Gearcase

Twin Pressure Gauge 91-852087A2

APPLICATION:

135-225 Optimax

The new gauge has the manifold stamped "FUEL" and "AIR", quick disconnects, fuel side check valve, and threaded schrader valve connections. The new gauge 91-852087A2 supersedes the previous gauge 91-852087A1. The previous 91-852087A1 can be updated to the new style by installing both 91-803804A1 and 91-803805A1 adapter kits.



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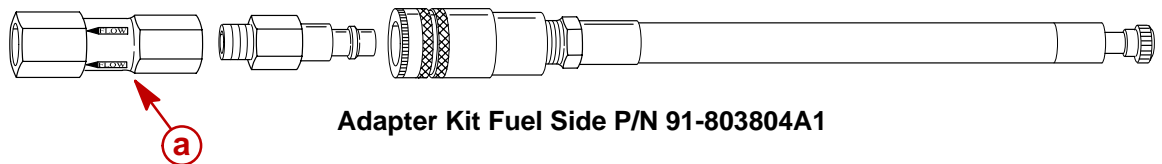
Adapter Kit 91-803804A1 Fuel Side

Adapter Kit 91-803805A1 Air Side

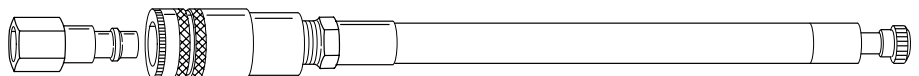
APPLICATION:

135-225 Optimax

Two adapter kits are available to upgrade existing gauges. The adapter for the fuel side has a one way check valve to retain fuel in the gauge when the gauge is disconnected from the engine. It will be necessary to remove and discard the clip-on schrader valve connectors.



Adapter Kit Fuel Side P/N 91-803804A1



Adapter Kit Air Side P/N 91-803805A1

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a - Check Valve

Hose Clamp Tool Kit 91-803146A2

APPLICATION:

2 Stroke Models

135 - 225 OptiMax

150 - 250 EFI

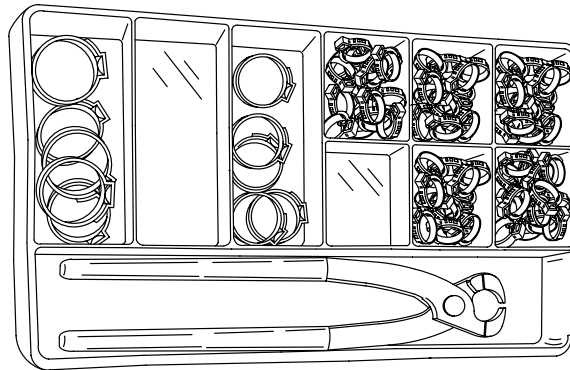
4 Stroke Models

25 (2 cylinder) - Mariner/Mercury

30/40 (3 cylinder) - Mariner/Mercury

45/50 (4 cylinder) - Mariner/Mercury

Hose clamp kit is available for high pressure air, high pressure fuel, and oil lines. It is important to use the tool provided to secure the clamp. Use of a non-appropriate clamp tool may cause the clamp to fail.



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The clamp tool and clamps may be purchased separately.

Clamp Tool p/n 91-803146T

Clamps

Part Number	Clamp Number	Inside Diameter
54-850241	14	14 mm
54-856880	15.3	15.3 mm
54-13791	15.7	15.7 mm
54-855697	16.2	16.2 mm
54-855228	25.6	25.6 mm
54-850896	28.6	28.6 mm