



Service Bulletin

Bulletin No. 2015-02

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Important New Model Information—65/80 Outboard Jet FourStroke (2.1L)

Models Affected

Models Covered	Serial Number
65/80 Outboard Jet FourStroke (2.1L)	2B148729 and Above

Scope

Worldwide

Situation

The purpose of this bulletin is to highlight key features of the new 65/80 Outboard Jet FourStroke (2.1L) models and how they differ from the standard production outboard models.

65/80 Outboard Jet FourStroke (2.1L) Carton Content

These Outboard Jet models are shipped from the factory without the conventional outboard gearcase. The outboard carton contains the following components:

- A Jet drive component package as received from Specialty Manufacturing Company, Outboard Jets.
- Gearcase mounting nuts and washers are threaded onto the gearcase mounting studs located in the driveshaft housing.
- A parts box which contains a water pump kit, water tube coupler, trim tab screw, and an owner's operation manual supplement.

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- A 152.4 cm (5 ft) shift cable is supplied for Big Tiller use. This shift cable would not be used if rigging a remote control boat.



- a** - Gearcase mounting nuts and washers threaded onto the driveshaft housing studs
- b** - Jet drive components
- c** - 152.4 cm (5 ft) shift cable
- d** - Rigging and hardware components

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65/80 Outboard Jet FourStroke (2.1L) Top Cowl Decals



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80 Outboard Jet FourStroke (2.1L) shown

Big Tiller Kit on 75/90/115 FourStroke (2.1L)—Standard on Select Models

Outboard Jet models utilize the same Big Tiller kit as used on the standard 75/90/115 FourStroke (2.1L) outboards. The 152.4 cm (5 ft) shift cable supplied with the Outboard Jet model would replace the 1025 mm (40.35 in.) shift cable supplied with the Big Tiller throttle and shift cable kit. The Big Tiller shift cable is connected to the Big Tiller, routed over the boat transom and is attached to the jet drive unit.

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Description	Part Number
Big Tiller—Mechanical without power steering	8M0093581
Big Tiller—Throttle and shift cable kit—Without power steering	8M0090686

Cable Lengths for Outboard Jet Models with Big Tiller		
Cable	Cable Length	Part Number
Big Tiller—Throttle	1076 mm (42.32 in.)	NSS*
Big Tiller—Shift	152.4 cm (5 ft)	897978A05

NOTE: *Supplied in throttle and shift cable kit part number 8M0090686.

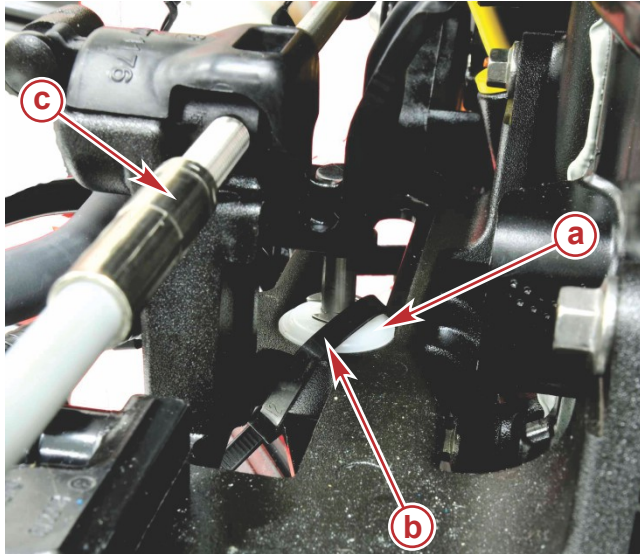


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Shift Link Roller Retention

Current outboard jet installations utilize a cable tie to secure the shift link roller into the forward gear position. Securing the shift link roller prevents it from activating the spark jiggle switch and disrupting the engine's spark timing.

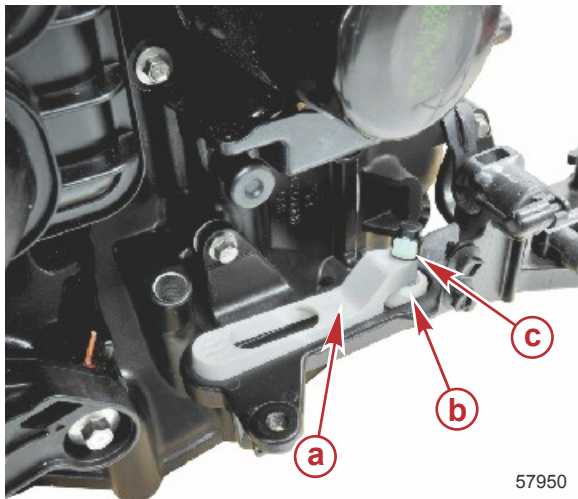


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View from front of powerhead

- a** - Shift roller in the forward gear position
- b** - Cable tie
- c** - Throttle cable

Approximately May of 2015, a shift roller blocker will be available as a service part and shipped with the 65/80 Outboard Jet FourStroke (2.1L). The blocker is installed into the shift rail and secured with the shift cable retainer.



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- a** - Shift roller blocker
- b** - Shift link roller
- c** - Shift cable retainer (75/90/115 models)

Description	Part Number
Shift roller blocker	8M0098513

IMPORTANT: The shift roller blocker is designed to be used with Jet Pump kits available for both the 75/80/90/100/115 FourStroke (2.1L) and the 150 FourStroke outboards. Refer to the Mercury Precision Parts Accessories Guide.

Outboard Jet Installation

For proper outboard jet installation, refer to the assembly, installation, and owner's manuals supplied in both the jet drive unit package and the rigging and hardware components box.

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Transom Height

IMPORTANT: This jet unit is designed to be installed onto a long shaft outboard model only. The required boat transom height will be approximately 71 cm (28 in.) and is dependent on the type of boat bottom. Standard boat transoms will require considerable modification for Outboard Jet installations.

a - 71 cm (28 in.)



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Outboard Mounting Height

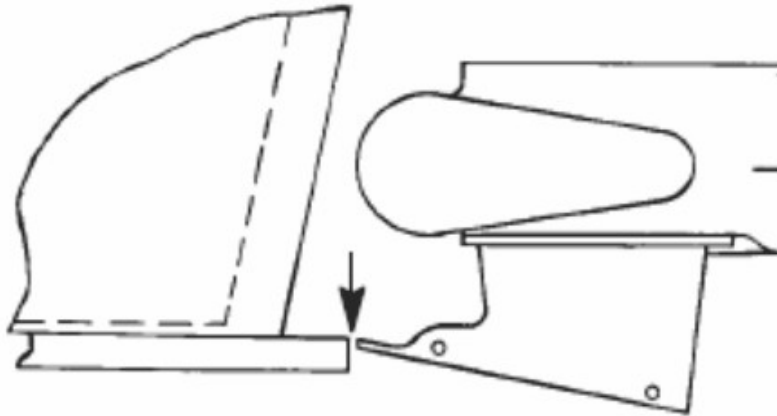
The outboard jet mounting height is important and must be set carefully. A mounting height 6.35 mm (1/4 in.) above the optimum setting will allow air to enter the pump resulting in cavitation and power loss. Setting the pump too low will result in unnecessary drag, excessive water spray, and loss of performance.

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On Flat Bottom Boats

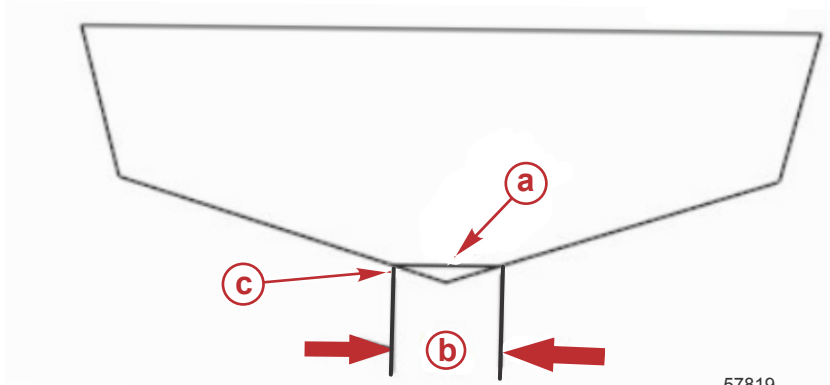
The initial height setting is obtained by placing a straightedge against the boat bottom (not the keel), as shown. The top of the leading edge of the water intake is set to line up with the top edge of the straightedge.



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On V-Bottom Boats

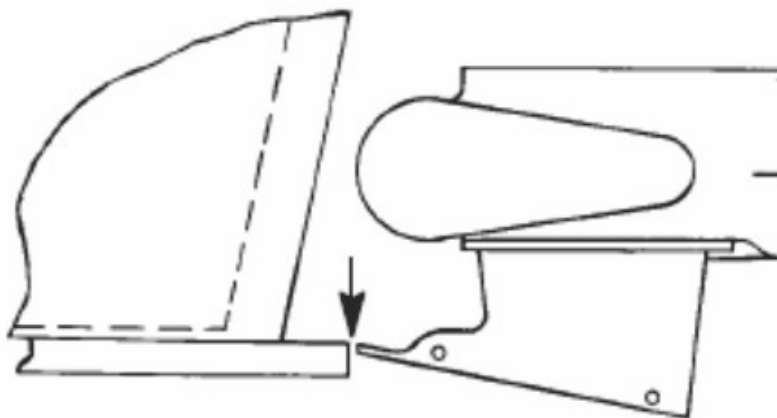
Mark a horizontal line across the transom, up from the V-bottom which is equal in length to the width of the leading edge of the jet unit water intake housing. Place the straightedge against the boat bottom (not the keel) at the intersection with the horizontal line.



- a** - Horizontal line
- b** - Length equal to width of water intake housing
- c** - Intersection point for straightedge

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The top of the leading edge of the water intake is set to line up with the top edge of the straightedge.



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