MERCRUISER SERVICE BULLETIN

Section: XII *(Bulletins)*
Number: ~~69-~~ 68-18
Date : 11/27/68

at individual items along broken lines and attach in appropriate sections of your MerCruiser Service Manual.

A. Quicksilver Anti-Fouling Black Paint Application *(P. 18 Sec. XI)*
B. New Tool for MerCruiser 68-80 and MCI Gear Housing Cover *(P. 1 Sec. XI)*
C. MerCruiser III Propeller Shaft Bearing Adaptor *(Section IX)*

A. QUICKSILVER ANTI-FOULING BLACK PAINT APPLICATION (C-92-35196)

(For P. 18 of Tool Section XI)

Painting over New Factory Finish

1. Preparation: Remove high gloss by sanding lightly to improve adhesion of Quicksilver Anti-Fouling Black Paint (C-92-35196). Wash with solvent or mineral spirits to remove grease, oil and sanding dust.
2. Application: Brush or roll on 2 thin coats of Quicksilver Anti-Fouling Black Paint, allowing 4-to-5 hours of air drying between coats. No sanding is required between coats.

NOTE: Use mineral spirits for thinning paint and cleaning brushes, etc.

Painting over Old Finishes

1. Preparation: Sand surfaces smooth and wash with solvent or mineral spirits.
2. Application: Touch up nicks and scratches with Quicksilver Zinc Chromate Primer (C-92-31292-1) and paint as described in "2. Application", above.

Painting Bare Aluminum Surfaces

1. Preparation: Clean surfaces with solvent or mineral spirits. Spray one thin coat of wash primer metal conditioner. Note that wash primer contains vinyl butyl resin, zinc chromate pigment and phosphoric acid. It conditions metal surfaces and improves paint adhesion. There are a number of good wash primers manufactured for this purpose.
2. Application: Apply one coat of Quicksilver Zinc Chromate Primer and 2 coats of Quicksilver Anti-Fouling Black Paint as described in "2. Application", above. Note that other marine primers may be used if they are compatible with Quicksilver Anti-Fouling Black Paint. Test other primers for compatibility before beginning painting preparations.

Painted Anti-Fouling Black Surfaces

Keep painted surfaces immersed after painting, because microscopic marine life forms a thin layer on the immersed surfaces shortly after being placed in water. Once out of the water, however, this film dries to a very hard coating which will not soften when replaced in water. It is this microscopic film which will "lock-up" the anti-foulant in the paint, rendering it useless in preventing attachment of barnacles, etc. To prevent "lock-up", immediately upon removal from water, scrub surfaces clean that are painted with Anti-Fouling Paint.

C-92-35196-6	Quicksilver Anti-Fouling Black Paint 6 1-Qt. Cans	$47.70 U.S. List
C-92-31292-1	Zinc Chromate Primer - 16-Oz. Spray Can	2.39 U.S. List

B. NEW TOOL FOR MERCRUISER 60-80 AND MERCRUISER I GEAR HOUSING COVER

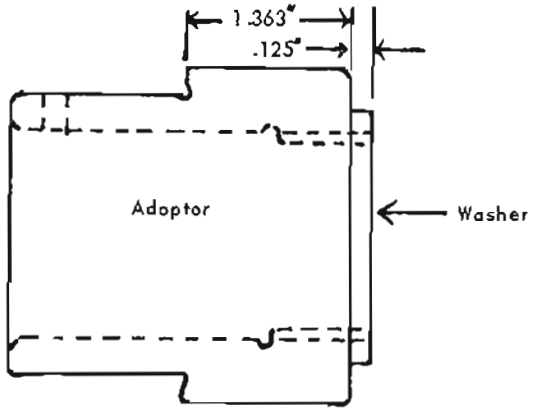
A new Gear Housing Cover Tool (C-91-53126) will backfit on MerCruiser 60 and 80 and MerCruiser I models. The gear housing cover replacement part has been changed on these MerCruiser models -- as well as on all model 4 and 6-cylinder outboards with prop-jet exhaust -- to incorporate the use of a tab washer. The new tool will accommodate the new tab washer.

C-91-53126	Gear Housing Cover Tool	$7.30 Net U.S.

C. MERCRUISER III PROPELLER SHAFT BEARING ADAPTOR

(For Drive Unit Section IX)

Some MerCruiser III units (Serial No. 2373127 thru 2373426) have experienced a wear condition on the bearing adaptor. When servicing a MerCruiser III unit (Serial No. 2373127 thru 2373426), check the drive unit gear housing and replace bearing adaptor (B-48010) with bearing adaptor B-53515A1. The new bearing adaptor (B-53515A1) includes a splined thrust washer on the propeller shaft next to the adaptor (Figure 1) to provide for a harder-wearing surface between the propeller shaft spacer and adaptor. Wearing of the propeller shaft adaptor will cause premature gear failure.



METRIC CONVERSION
1.363" = 34.62mm
.125" = 3.18mm

Figure 1. Washer on Propeller Shaft Next to Adaptor