

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Improved Service Procedure for Engine Coupler or Drive Plate Replacement

Models Affected

Models Covered	Serial Number or Year
Sterndrive models	All
Inboard and Tow Sports models	All

Situation

A new procedure has been developed for replacing engine couplers or drive plates. This procedure is in addition to the existing flywheel runout check included in Mercury MerCruiser service manuals.

Correction

When replacing a sterndrive engine coupler or inboard engine drive plate:

NOTE: Refer to the appropriate Mercury MerCruiser service manual for complete flywheel runout check and coupling replacement procedures.

1. Remove the engine from the boat, if necessary. (Some inboard applications may not require engine removal.)
2. Remove the flywheel housing.
3. Remove the coupler or drive plate.
4. Check flywheel runout. Flywheel runout should not exceed 0.20 mm (0.008 in.).
5. **NOTE:** Bravo couplers and inboard drive plates have six mounting screws. When centering the new coupler or drive plate on the flywheel, install the three taper-head screws in every other hole. (See the illustrations for the Bravo coupler and inboard drive plate.) Tighten the screws in an even pattern.

Install the new engine coupler using three 3/8-16 × 3/4 taper-head screws. Alternately hand-tighten the screws allowing the taper of each screw to center the coupler on the flywheel. Tighten the screws securely.



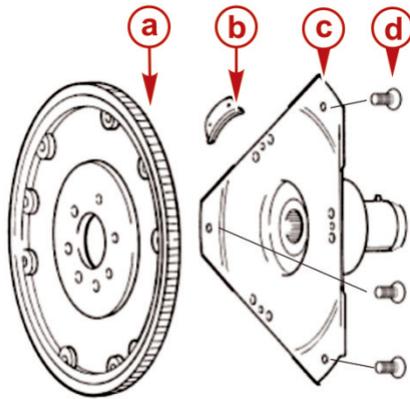
42059

3/8-16 × 3/4 taper-head screw

Qty.	Description	Part Number
3	3/8-16 × 3/4 taper-head screw	Obtain locally

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

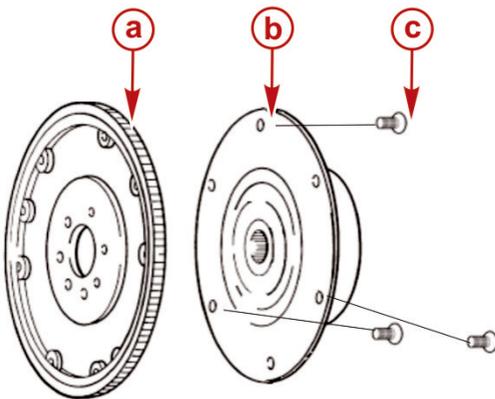
This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.



Alpha coupler—Sterndrive models

- a** - Flywheel
- b** - Rubber bumper (3)
- c** - Coupler
- d** - Taper-head screw (3)

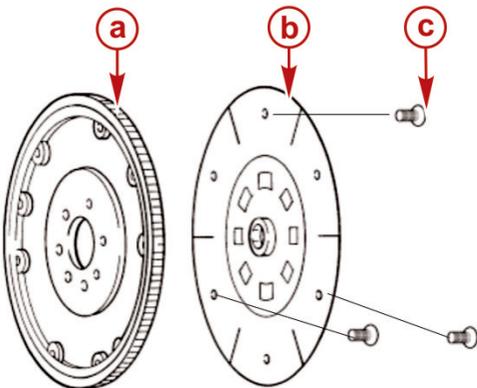
42147



Bravo coupler—Sterndrive models

- a** - Flywheel
- b** - Coupler
- c** - Taper-head screw (3)

42148



Drive plate—Inboard and TowSports models

- a** - Flywheel
- b** - Drive plate
- c** - Taper-head screw (3)

42149

6. *On Alpha models:* After all three taper-head screws are tightened, remove one of the taper-head screws and install the original mounting screw and tighten to specification. Repeat this procedure for each remaining taper-head screw.
7. *On Bravo and inboard models:* After all three taper-head screws are tightened, install and tighten three of the original mounting screws in the open screw locations. Remove the three taper-head screws and install the remaining original mounting screws.
8. Tighten all mounting screws to specification.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.

Description	Nm	lb-in.	lb-ft
Coupler or drive plate screws	48	–	35

9. Install the flywheel housing.
10. Install the engine in the boat, if removed in step 1.
11. Always check engine alignment before installing the sterndrive unit or the inboard propshaft coupler.

Impact on Service Manuals

This procedure will be incorporated into future updates of the affected MerCruiser service manuals.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.