



# parts bulletin



No. 94-7

## PROPELLER DRIVE SLEEVE KIT P/N 827703A-1

### SQUARE HUB QUICKSILVER PROPELLER

Mercury Marine has developed a new drive sleeve kit as a replacement part for the square rubber hub p/n 43647. This new drive sleeve is also corrosion resistant.

All Quicksilver propellers that had the square rubber hub installed, can use the new drive sleeve kit as a replacement part.

If the new sleeve is damaged and begins to slip, the operator can replace the drive sleeve (hub). The only tools required are a propeller nut wrench, 1" diameter (25.4 mm) wood dowel and a hammer.

### **⚠ CAUTION**

**Using a steel punch or screwdriver to punch out the drive sleeve adaptor could cause spline damage to the adaptor.**

**As with any powerboat, a spare propeller should be on board as a back-up propeller should any damage occur.**

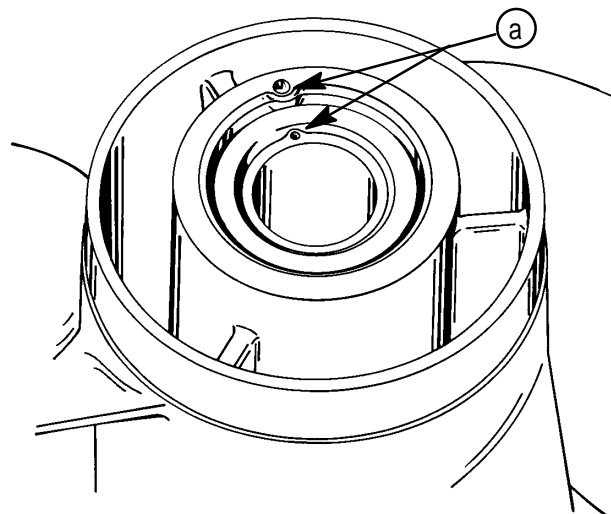
The new sleeve also has "limp home" capabilities in emergency situations. Tightening the propeller nut (re-torquing the nut to 55 lb. ft. (74.6 N·m)) until the forward and rear thrust washers hold the propeller tight enough for limited operation at reduced engine RPM. In some cases, the "limp home" mode could also be achieved by allowing the drive sleeve to cool and re-solidify. Depending on the water temperature, the propeller would need to cool for approximately 5 minutes under a no-load condition. Opera-

tion below planing speeds at idle or off idle is recommended after the propeller nut is re-tightened or the drive sleeve is allowed to cool. If the propeller drive sleeve begins to slip again, repeat this procedure and reduce engine RPM.

### Determine If Replacement Is Required:

Propeller hub replacement is usually done by authorized propeller repair stations.

Replace hub if rubber is burnt or frayed. If you are not sure, use a center punch and mark the hub and the hub bore. Test run the prop and check the location of the punch marks. Movement of the marks indicates slippage and replacement of the hub is necessary.



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a - Punch Marks

## Components Contained In Kit

Ref.	Description	Qty.
a	Drive Sleeve (827703)	1
b	Drive Sleeve Adaptor (826074--1)	1
c	Locking Tab Washer (14-816629)	1
d	Propeller Nut (11-827614)	1



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## Warranty

### a. RE-HUBBING

Replacement of propeller hub due to defective material or workmanship (not centered, tight spline, loose spline, etc.) is covered by Quicksilver Parts and Accessories Limited Warranty.

### b. NOT WARRANTY

Replacement of spun propeller hubs due to impact, fouled by foreign material, improper previous hub replacement, etc., is not covered by Quicksilver Warranty.

### c. WARRANTY PERIOD

Quicksilver propellers are warranted against defects in material or workmanship for a period of one year from the date of purchase. **Refer to Dealer Operations Guide (SIS-1078) for Warranty Claim and Warranty Policy information.**

### d. PROPER IDENTIFICATION

The customer must present either a plastic warranty card or a sales slip identifying the propeller and showing it to be less than one year old.

## Complete Warranty Claim Listing:

- Outboard serial number or a copy of the propeller sales slip.
- Qty. 1 P/N 827703A-1 Propeller Drive Sleeve Kit.
- Three tenths (0.3) hour labor.
- Warranty labor rate code - NJC.
- Failure code 237-33.
- US and Canada - Tag and hold parts for 60 days after the warranty credit is received.
- International - Hold parts for inspection/disposal by a Marine Power International technical representative.