



TECH EXCHANGE

SUBJECT: T50, T60, F70, F75, F90, F115A, and F115B Models – Talon™ SDS™ Propeller Service

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T50, T60, F70, F75, F90, F115A, and F115B Models – Talon™ SDS™ Propeller Service

The new Talon SDS propellers are fully assembled before they are packaged for shipment. Like propellers with conventional hubs, the Talon propellers should be inspected during normal maintenance procedures at the initial 20 hours and subsequent 100 hours maintenance intervals. As prescribed in the Owner's and Service manuals inspect for the following:

- Blades with impact damage or erosion from cavitation or ventilation
- Propeller shaft damage
- Spline wear or damage
- Fishing line on the propeller shaft
- Propeller shaft oil seal damage

Additionally, check the Talon SDS hub by removing the rear propeller spacer to verify that the large lugs on the hub are centered between the triangular bosses inside the propeller barrel. Also, check that the hub does not rotate inside the barrel with light pressure. ***It is not necessary to remove the SDS hub to perform this inspection.***

In the unlikely event a hub must be removed, unlike propellers with conventional hubs, no special tools are required. It can be removed using a suitable driver and light pressure. Also, unlike conventional hubs, if hub service is required, it is only necessary to replace the inexpensive synthetic rubber dampers; the brass hub can be reused.

If removal is required, Yamaha recommends installing new dampers (P/N: 6EK-45C82-09-00).



Talon SDS Hub Installation and Maintenance Procedure:

NOTICE:

Use only Yamaha WR No. 2 Grease (P/N: 90790-74046-00) to hold the dampers in place during assembly and also to provide lubrication for the dampers during operation. Other lubricants can cause the dampers to swell, resulting in difficult installation and removal as well as possible deterioration of the properties of the dampers.

1. Apply Yamaha WR No. 2 grease to the outer surface of the hub where the dampers are located.
2. Apply Yamaha WR No. 2 grease to the outer surfaces of the dampers.
3. Push the hub with the dampers into the propeller. Hand pressure should be adequate.
4. Using the standard rear propeller spacer (P/N: 688-45997-01-00), push the hub and dampers into the propeller until the spacer is flush with the propeller boss; up to 0.100 in (2.6mm) above the propeller boss is permissible.

Replacement dampers, 3 per package, are available if replacement is necessary (order P/N: 6EK-45C82-09-00).

