

Chris-Craft

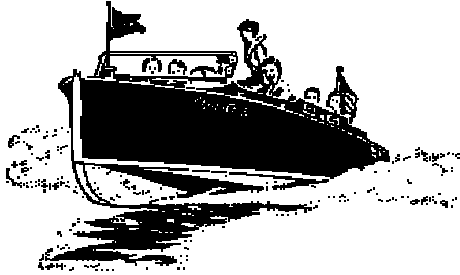
Documents, Manuals, Service Bulletins and
Screensavers

<http://www.ccmanuals.crosswinds.net>

This Document Was Scanned By Tom King
For Use By Anyone in the Pursuit and
Advancement
Of Antique And Classic Boating

Questions regarding this document
can Be Emailed to Me
At:

ccmanuals@yahoo.com



Chris-Craft

Service **BULLETIN**

Bulletin: E-85 Revision #1

Date: November 1, 1966

Subject: HYDRAULIC REVERSE GEARS - OPERATION IN NEUTRAL

HF-Series

We have been advised by the Paragon Gear Works that if the Hydraulic Reverse Gears are operated in the neutral position at speeds in excess of 1500 RPM, reverse gear damage may result.

When the gear is in forward position, oil is forced into the screw collar and pushes the forward piston which clamps the forward drive discs. When it is placed in neutral, the pressure is relieved but a small amount of oil will remain in the screw collar. When the engine RPM is increased in neutral, the trapped oil will exert pressure on the forward piston due to centrifugal action. This force will increase with speed until the disc separating springs are overpowered and the clutch plates drag. Continued operation in this manner can result in gear slippage and burned plates.

For this reason, we suggest that you caution your mechanics and boat owners not to operate engines, equipped with the hydraulic gears, at speeds in excess of 1500 RPM in the neutral position.

CHRIS-CRAFT CORPORATION

SERVICE DEPARTMENT