

# **TREMEC**

## **TRANSMISSIONS**

Service Topics Number: **3-01**

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**Date:**

March 13, 2003

**Subject:**

Aftermarket Shifter Stops

**Transmission Models Affected:**

All

Severe damage may be caused by installing an aftermarket shifter with “shift stops” on any TREMEC transmission. All TREMEC transmissions are designed and manufactured with built-in shift stops to prevent over shifting. Therefore; shift stops on aftermarket shifters are totally unnecessary when used on a TREMEC transmission. TREMEC “TR series” transmissions have multiple shift rails with shift stops on the gearing. TREMEC “T series” transmissions have a single shift rail system with stops built into the guide plate.

When installing an aftermarket shifter on a TREMEC transmission it is best to remove the shift stops to avoid miss adjustment, and the potential of the screws vibrating lose. A misadjusted shift stop can cause an under-shift, which may lead to a gear jump-out situation. If the transmission jumps out of gear, the shift fork can be bent causing permanent damage to the transmission. Shift forks can also be damaged by “clash shifting”. A clash is caused by a missed shift.

Neither an “under-shift”, nor a “clash shift” can be prevented by shift stops. TREMEC shift forks are designed to take loads up to 1,000 lbs. However, a gear jump-out may well exceed 1,000 lbs. of force, which may result in a permanently damaged transmission.

