

Technical Service Information



TSI-03-13-05

Date: December, 2003

Subject File: TRANSMISSION

Subject: Eaton Twin Countershaft Transmission Failures Caused by Incorrect Installation of Auxiliary Section

Model: 4200

Model: 4300

Model: 4400

Model: 5500i

Model: 5600i

Model: 5900i

Model: 7300

Model: 7400

Model: 7500

Model: 7600

Model: 8500

Model: 8600

Model: 9200i

Model: 9400i

Model: 9900i

DESCRIPTION

NOTICE

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Date: October 3, 2003

TMIB-0139

Bulletin Type: Service

Topic: Proper Dowel Pin Location

Issue Background:

Transmission failures caused by incorrect auxiliary section installation. When installing the auxiliary section it is critical the dowel pins are in the proper location, failure to do so can cause various complaints including worn synchronizers, slow range/splitter shift and gear wear due to timing error.

Corrective Action:

The dowel pins must be properly installed prior to installing the auxiliary section. Please see Figure 1 for proper dowel pin installation. 3/8"-1/2" of pilot diameter must be exposed to rear of main case surface. Pilot diameter of dowel pin is .748" - .750".

Never tighten auxiliary section fasteners before installing dowel pins in proper location!

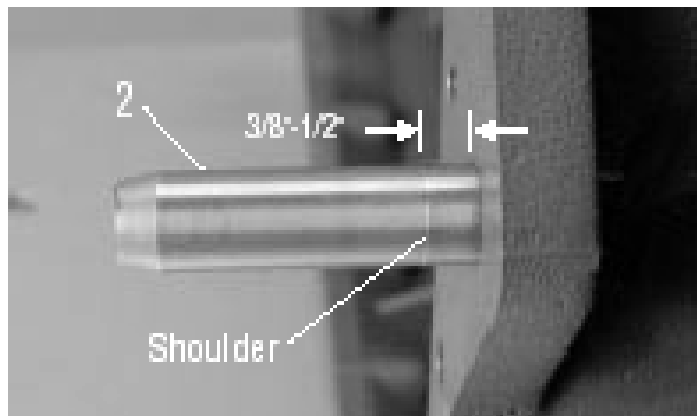


Figure 1