

FORD SPECIAL TOOLS

AXOD,AXODE,AX4N,AX4S

**Front Clutch Pack Loading Tool
AXOD/AXODE/AX4N/AX4S**



Part No. AX0D.TOOL01

**Lip Seal Installer/Protector Kit
AXOD/AXODE/AX4N/AX4S**



Part No. AX0D.TOOL02

**Converter Oil Seal Installer
AXOD/AXODE/AX4N/AX4S**



Part No. AX0D.TOOL03

Universal End Clearance Gauge



Part No. TOOL.05

Hydraulic Transmission Tester



Test the transmission with fluid under pressure, the Hydraulic Tester simulates operating conditions in the unit and finds problems instantly. The Hydraulic Tester finds hidden defects in soft parts or can alert you to hard parts that have grown out of tolerance. A simple hook up to a unit test plate and the reading of a single gauge allows you to test a transmission in or out of the vehicle

Part No. TOOL.139

Unit Test Plate for AXODE

Part No. AXODE.TOOL01

Valve Body Parts Stripping Tray



Part No. TOOL.03

Universal Pump Removal Tool



Quickly removes conventional style pumps without damage

Part No. TOOL.31



AUTOMATIC CHOICE



THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

FORD SPECIAL TOOLS

AXOD, AXODE, AX4N, AX4S

Universal Oil Seal Removal Tool

Use with slide hammer



Part No. TOOL.41

Channel Plate Cover, Pump Drive Shaft Bore Repair Tool (AXOD)

Replacement bushings for use with this tool, please order
Part No. TOOL.43



Part No. AXOD.TOOL04

SF-99 Servo Bore Repair System

Master Kit, For use with Ford AXOD, AXODE, AX4S, AX4N, and 4F50N type transaxles

Apply oil for the Overdrive servo on AX type transmissions comes up through the servo pin bore and through the hollow pin to the back of the piston. This requires the pin to seal in the servo pin bore to apply the servo and achieve fourth gear. As time goes by and the servo goes through many apply and release cycles, the case wears and the pin no longer seals. This wear causes apply oil to leak, dumping pressure. With this loss of pressure, the servo lacks adequate pressure to hold the band completely applied, burning the band. The AX-OD kit contains tooling necessary to repair the Overdrive servo pin bore.

Part No. TOOL.106



SF-99 Servo Bore Repair System

Sub Kit, For use with Ford AXOD, AXODE, AX4S, AX4N, and 4F50N type transaxles

This Sub Kit can be used with any SF-99 Servo Bore Repair System Master kit, enabling it to be used to repair the above transmissions

Part No. TOOL.107



SF-99 Servo Bore Repair System

Master Kit, For use with Ford AXOD, AXODE, and AX4S type transaxles

Apply oil for the Intermediate servo on AXOD type transaxles comes up through the servo pin bore and through the hollow pin to the back of the piston. This requires the pin to seal in the servo pin bore to apply the servo and achieve second gear. When the transaxle goes to shift into third, it uses direct clutch oil to release the servo. This requires the pin to seal to prevent a leak here also. As time goes by and the servo goes through many apply and release cycles, the case wears and the pin no longer seals. This wear causes both apply and release oil to leak. With these leaks, the transaxle lacks adequate pressure to hold either the band or the direct clutch completely applied, burning both.

The AX-INT kit contains tooling necessary to repair the Low & Intermediate servo pin bore.

Part No. TOOL.108



AUTOMATIC CHOICE



THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

SF-99 Servo Bore Repair System

Gauge Pins For accurately re sizing bushings after installation



In order to get the best possible seal from the bushings we use, we machine them as close to the size of the pins as possible. However, in order for the bushing to seal and stay in place, it is necessary for the bushing to crush during installation. This "crush" effectively shrinks the bushing's inner diameter. These pins allow you to quickly and easily re-size the bushing to it's correct (something old servo pins don't always do) inner dimension.

The Gauge Pin kit contains tooling necessary to re-size every bushing in every kit we make. The pins are precision machined hardened steel, and they come in a plastic utility box.

Note: The Gauge Pin kit is only necessary if you purchased your tooling before 2005. In 2005, we started including each pin with it's respective kit.

Part No. TOOL.118

**SF-99 Servo Bore Repair System
Reamer Cleaning Stone**



Aluminum does not dull tool steel. Period. What happens instead is that the reamer collects aluminum on it's cutting edges. This phenomenon is not limited to our products. Check any cutting tool in your shop. These "build ups" of aluminum effectively become the new cutting edges. These build ups obviously do not cut as well as the tool steel and are also larger than the original diameter of the reamer. Translation- a larger bore that was a lot harder to cut. To combat these build ups, we offer a stone which fits between the flutes of the reamer and cleans the cutting edges up quite nicely.

Note: While aluminum will not dull tool steel, bear in mind that cases typically cast from recycled aluminum, which can contain steel.

Part No. TOOL.119



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