

Service Bulletin

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Category K	Applicable Model/s All Models With A/T or ATX	Subject AUTOMATIC TRANSMISSION DIAGNOSTIC PROCEDURES	Bulletin No. 002/94
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			Revised

APPLICABLE MODELS

All vehicles with automatic transmissions or automatic transaxles

DESCRIPTION

Follow the information listed in this bulletin when diagnosing automatic transmission/transaxle problems or after installing a new or rebuilt transmission/transaxle

Contents:

- Service Advisor / Technician Check Sheet & Diagnostic Flow Chart
- Power Flushing Equipment Recommendations

A supply of fifty (50) Service Advisor / Technician Check Sheets & Diagnostic Flow Charts are provided with this bulletin. These are useful tools in preventing unnecessary replacement of transmissions, illustrating step by step diagnostics and are required for replacement authorization.

Additional pads of fifty (50) are available free of charge from Helm, Inc.

For additional information regarding transmission/transaxle diagnostics, refer to the applicable workshop manual and/or contact your regional/distributor hot line.

NOTE: If the transmission oil cooler is not cleaned with the proper power flushing equipment prior to repair completion, and comeback problems occur due to clogged oil cooler circuits, the repair cost will not be warrantable.

RECOMMENDED POWER FLUSHING MANUFACTURERS / EQUIPMENT

Manufacturer / Telephone Number	Part Number / Description
OTC / (800) 533-0492	60081 / Portable Torque Converter Oil Cooler Cleaner

NOTE: 1) Power flushers require installation of a 5 micron filter.

2) All of the above flushers require adapters / attachments for Mazda vehicle applications.

3) Questions regarding usage and applications should be directed to the flusher manufacturer.

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IMPORTANT: Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

Signature _____
 Service Manager

Signature _____
 Parts Manager

AUTOMATIC TRANSMISSION CHECK SHEET

Dealer: _____

R.O.# _____

SERVICE ADVISOR

Service Writer: _____ Dealer No. _____ Date: ___/___/___

Customer's Name: _____ Dealer Telephone No. (____) _____

Model _____ Year _____ Engine _____ Mileage _____ VIN _____

Aftermarket Parts Installed? Yes ___ No ___ (list, if yes) _____

Customer Description Of Problem: _____

WHEN DOES PROBLEM OCCUR?

Test Drive Vehicle? Yes ___ No ___	No Movement: 1 ___ 2 ___ 3 ___ 4 ___ R ___
Engine Temperature? Cold ___ Hot ___ All ___	Noise: 1 ___ 2 ___ 3 ___ 4 ___ R ___
Road Condition? Flat ___ Hilly ___	Slip: 1-2 ___ 2-3 ___ 3-4 ___ 4-3 ___ 3-2 ___ 2-1 ___
Vehicle Speed? High ___ Cruise ___ Low ___ All ___	Shock: 1-2 ___ 2-3 ___ 3-4 ___ 4-3 ___ 3-2 ___ 2-1 ___
Is The Problem Intermittent? Yes ___ No ___	Flare: 1-2 ___ 2-3 ___ 3-4 ___ 4-3 ___ 3-2 ___ 2-1 ___
Is The Problem Occurring Now? Yes ___ No ___	

SERVICE TECH / SERVICE MGR

PROBLEM DESCRIPTION / DIAGNOSIS

Description: _____

Problem Duplicated? Yes ___ No ___ Test Drive? Yes ___ No ___ Serv. Bulletin Relating To Problem? _____ / _____
(list, if yes)

Trans. Fluid Cond.: Milky ___ Burnt ___ Particles/Sludge ___ Normal ___ Trans Fluid Level: High ___ Low ___ Normal ___

Trans. Leaks? Yes ___ No ___
(list area(s), if yes)

Engine Electrical System: Battery Voltage (engine running) _____ Volts
 KOEO: _____ (Key On Engine Off) KOER: _____ (Key On Engine Running)
LA4A-EL Transmission Only

TEST RESULTS

Problem Category: Codes _____ Leaks ___ Fluid Cond. ___ Driveability ___ Unusual Noise ___
(list codes, if yes)

Line Pressure/Stall Test Results:

Range	Line Pressure Kg/f ___ psi ___		
	Idle	Stall	RPM
Park / Neutral			
D, S, L			
Reverse			

RECOMMENDATIONS

Did You Use The "Quick Diagnostic Chart II" In The WSM? Yes ___ No ___ Was It Useful? Yes ___ No ___

Contact Regional Hotline For Assistance? Yes ___ No ___
(list person contacted, if yes) _____ (date) ___/___/___

Recommendation: Normal Condition ___ Repair Trans. ___ Exchange ___
(MASH Authorization Number) _____ (date) ___/___/___



AUTOMATIC TRANSMISSION DIAGNOSTIC FLOW CHART

