

MITSUBISHI MZ320197

Mitsubishi OEM 75W-85 Manual Transmission Fluid (MTF) MZ320197 User Manual

Official instructions for proper use and maintenance of your Mitsubishi Manual Transmission Fluid.

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of Mitsubishi OEM 75W-85 Manual Transmission Fluid, model MZ320197. This product is specifically formulated for Mitsubishi vehicles requiring 75W-85 viscosity manual transmission fluid, ensuring optimal performance and longevity of the drivetrain components.



Image 1.1: A black bottle of Mitsubishi Motors Genuine Manual Transmission Fluid MTF 75W-85, indicating 1 quart / 0.946 liters volume.

2. IMPORTANT SAFETY INFORMATION

Always prioritize safety when handling automotive fluids. Failure to follow these instructions may result in personal injury or property damage.

- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and chemical-resistant gloves, when handling transmission fluid.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fumes.
- **Skin Contact:** Avoid prolonged or repeated skin contact. Wash hands thoroughly with soap and water after handling.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- **Eye Contact:** In case of eye contact, flush thoroughly with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention if irritation persists.
- **Flammability:** Keep away from open flames, sparks, and hot surfaces. Transmission fluid is combustible.
- **Storage:** Store in a cool, dry place, away from direct sunlight and out of reach of children and pets. Keep container tightly closed.
- **Disposal:** Dispose of used fluid and containers in accordance with local environmental regulations. Do not pour into drains or onto the ground.

Refer to the product's Safety Data Sheet (SDS) for more detailed safety information.

3. INSTALLATION AND FLUID LEVEL CHECK

This section outlines the general procedure for checking and refilling manual transmission fluid. Always consult your vehicle's specific service manual for detailed instructions and fluid capacities.

3.1. Tools and Materials Required:

- Mitsubishi OEM 75W-85 Manual Transmission Fluid (MZ320197)
- Vehicle service manual
- Wrench or socket set (for drain/fill plugs)
- Fluid pump or funnel with hose
- Drain pan
- Clean rags
- Safety glasses and gloves

3.2. Checking Fluid Level:

1. Park the vehicle on a level surface and engage the parking brake.
2. Allow the transmission to cool down to avoid burns from hot fluid.
3. Locate the transmission fill plug, typically on the side of the transmission casing. Consult your vehicle's service manual for the exact location.
4. Carefully remove the fill plug.
5. The fluid level should be at or just below the bottom edge of the fill plug opening. If fluid drips out, the level is correct.
6. If the fluid level is low, proceed to the "Adding Fluid" section.
7. Reinstall the fill plug securely once the level is confirmed.

3.3. Adding Fluid:

1. With the fill plug removed, insert the hose from your fluid pump or funnel into the fill opening.
2. Slowly add Mitsubishi OEM 75W-85 MTF until it begins to seep out of the fill plug opening. This indicates the correct

level.

3. Remove the pump/funnel hose and reinstall the fill plug, tightening it to the manufacturer's specified torque.
4. Clean up any spilled fluid immediately.

4. OPERATING GUIDELINES

Once the correct fluid level is established, the transmission is ready for operation. This fluid is designed to provide smooth shifting and protect internal components under various operating conditions.

- **Normal Driving:** The fluid will perform optimally during regular driving.
- **Temperature Range:** This 75W-85 fluid is suitable for a wide range of operating temperatures.
- **Shifting Performance:** Proper fluid levels and quality contribute to consistent and smooth gear changes.

5. MAINTENANCE

Regular maintenance of your manual transmission fluid is crucial for the longevity and performance of your vehicle's drivetrain.

5.1. Fluid Change Interval:

- Always refer to your vehicle's manufacturer service schedule for recommended manual transmission fluid change intervals. These intervals can vary significantly based on vehicle model, driving conditions, and usage.
- Typical intervals range from 30,000 to 100,000 miles, or every 2-5 years.
- Consider more frequent changes if operating under severe conditions (e.g., heavy towing, extreme temperatures, frequent stop-and-go traffic).

5.2. Fluid Condition Check:

Periodically inspect the fluid for signs of degradation:

- **Color:** New fluid is typically clear amber. Darkening or a burnt smell indicates degradation.
- **Contamination:** Look for metal particles, milky appearance (water contamination), or excessive debris.
- If any of these signs are present, consider changing the fluid even if it's before the recommended interval.

6. TROUBLESHOOTING COMMON ISSUES

Issues related to manual transmission fluid often manifest as changes in shifting behavior or noise.

Symptom	Possible Cause	Solution
Difficulty shifting gears (especially when cold)	Low fluid level, incorrect fluid type, degraded fluid.	Check fluid level and top up if necessary. Verify correct fluid type. Consider fluid change.
Grinding noises during shifts	Low fluid level, worn synchronizers, degraded fluid.	Check fluid level. If fluid is correct and noise persists, professional inspection is recommended.
Transmission leaks	Loose drain/fill plugs, damaged seals or gaskets.	Inspect and tighten plugs. If seals are damaged, professional repair is required.

If you experience persistent issues, consult a qualified automotive technician.

7. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	MITSUBISHI
Model Number	MZ320197
Viscosity	75W-85
Liquid Volume	1 Quart (0.946 Liters)
Item Form	Liquid
Material	Mineral or Synthetic Oil
Package Information	Bottle
Item Weight	1.5 Pounds (approx.)
Product Dimensions	8.75 x 4.5 x 2.5 inches (approx.)

8. WARRANTY AND SUPPORT

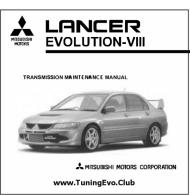
For information regarding product warranty, please refer to the official Mitsubishi Motors website or contact your authorized Mitsubishi dealer. This OEM product is designed to meet strict quality standards.

For technical support or further inquiries, please contact Mitsubishi customer service or visit their official support channels:

- **Mitsubishi Motors Official Website:** www.mitsubishicars.com
- **Authorized Dealers:** Locate your nearest authorized Mitsubishi dealer for service and parts.

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Related Documents - MZ320197

	<p>Mitsubishi Lancer Evolution VIII Transmission Maintenance Manual (W5M51 & W6MAA)</p> <p>Comprehensive maintenance manual for Mitsubishi Lancer Evolution VIII vehicles, detailing procedures for W5M51 and W6MAA manual transmissions. Includes specifications, tightening torques, dismantling, assembly, and checks.</p>
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 <p>Pub. No. PWD8211-8 </p>	<p>Mitsubishi Galant Hatchback Workshop Manual</p> <p>Comprehensive workshop manual for the Mitsubishi Galant Hatchback, providing detailed service, repair, and maintenance procedures for all vehicle systems including engine, transmission, chassis, and electrical components.</p>
	<p>Mitsubishi MT160, MT160D, MT180, MT180D Tractor Instruction Manual</p> <p>Comprehensive instruction manual for Mitsubishi tractors, covering operation, lubrication, maintenance, safety precautions, specifications, and wiring diagrams for models MT160, MT160D, MT180, and MT180D.</p>
	<p>Mitsubishi Service Bulletin: Correction for Manual Transmission Overhaul Procedures</p> <p>This Mitsubishi Service Bulletin (MSB-19EXL22-501) provides corrections to the overhaul procedures for the R6M5A and V6M5A manual transmissions. It details affected service manuals and provides references to specific attached documents for detailed correction information.</p>
	<p>Mitsubishi Grandis Owner's Manual</p> <p>Official owner's manual for the Mitsubishi Grandis, providing comprehensive information on operation, maintenance, features, and safety for drivers.</p>
	<p>Mitsubishi Eclipse Workshop Manual Supplement - Foreword</p> <p>Foreword for the Mitsubishi Eclipse Workshop Manual Supplement, detailing changes in servicing procedures, vehicle inspections, adjustments, and improvements for newly equipped models. Includes a list of related technical manuals.</p>

Documents - MITSUBISHI – MZ320197

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Vehicle Technical Info

NOTE: The work is used as a reference to indicate the areas of the vehicle that may be affected by the previous issue of Tech Talk.

GENERAL**VEHICLE RECEIVING INSPECTION -**

ROAD SALT CONTAMINATION All new vehicles are subject to a visual inspection to assess vehicle receiving and inspection process. Snow and ice can be a major problem in this inspection. Road salt can also coat vehicle surfaces and hide damage that may be present. A thorough inspection should be completed. Road salt and any salt coating on the vehicle during transportation must be removed immediately. Road salt can damage paint and under body areas. Immediately rinsing the affected areas with water will remove salt from the surface, reducing the possibility of severe damage. If salt is left on the vehicle, inspection and reporting of any transportation damage must be done, and the delivering carrier must be advised of the damage. This will in order to protect your ability to file a transportation claim.

If the salt coating is not removed immediately, significant surface corrosion may develop on

impermeable, undercoated and under body components. These surfaces may normally exhibit light surface corrosion, but if the salt coating is not removed, severe surface corrosion may appear. The under body components are particularly susceptible to corrosion after some usage, but if salt is not removed, undercoated surface corrosion can also be present. Under hood and compartment areas also be checked for salt coating.

Rinsing of vehicle at delivery reduces the chance of salt damage to the vehicle. Water and is considered to be a part of the normal inspection process.

The removal of corrosion caused by accumulated and/or un-rinsed road salt or salt coatings should be considered as a repairable expense.

GM MASTERSPEC TCO 25W-40 — 2014

A new gear oil (p/n M202025) is now available for use in the 2014 MasterSpec vehicles. It was developed specifically for use in the MasterSpec vehicles.

Grade gear oil for enhanced fuel economy. The oil is required for use in the 2014 MasterSpec vehicles.

ID. CODES, REGISTRATION PROCEDURE

MANUALS All models where VIN writing is present on the front door sill have a Registration Procedure Manual for affected models. The manual is located in the service resources (or service related items). The procedure manual is to be used when the YIN is recorded, a TTBW control unit is replaced, or a transmission is added or replaced (immobilizer function).

This oil is required for use in the 2014 MasterSpec vehicles.

SPECIAL REMINDER FOR TOWING AND TRANSPORTATION All vehicles with AWD 2013-21, Lancer, Sportback 4 (Galaxy), 2013-14 Lancer, 2013-14 Outlander, 2013-14 Outlander Sport, 2014-15 Endeavor, and several other vehicles with AWD are not to be towed or transported by a flatbed. Mitsubishi is aware that MMNA has sold all AWD drive models over the past 24 years. If AWD vehicles

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pdtraivsenr otseidebeolffow. engine compartment except as noted below. **MZ320197**

Diamond Gear Lube, 1 qt GL-4 Transmission fluid. Normal fill for RWD **MZ320197**

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