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› **TYC 19060 Replacement External Transmission Oil Cooler User Manual**

TYC 19060

TYC 19060 Replacement External Transmission Oil Cooler User Manual

Model: 19060

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your TYC 19060 Replacement External Transmission Oil Cooler. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and maintenance are crucial for optimal performance and longevity of the unit.

SAFETY INFORMATION

WARNING: Always follow vehicle manufacturer's service procedures when working on your vehicle. Failure to do so may result in serious injury or damage to the vehicle.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before working underneath it.
- Allow the engine and transmission to cool completely before beginning installation to prevent burns.
- Dispose of old fluids and parts responsibly according to local regulations.
- If you are unsure about any step, consult a qualified automotive technician.

PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x TYC 19060 Replacement External Transmission Oil Cooler
- (Additional mounting hardware, hoses, or clamps may be included depending on the specific application kit, not detailed here.)



Figure 1: Top view of the TYC 19060 External Transmission Oil Cooler, showing the cooler core, inlet/outlet ports, and mounting brackets.

INSTALLATION INSTRUCTIONS

These instructions are general guidelines. Refer to your vehicle's specific service manual for detailed procedures.

- 1. Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative battery terminal. Allow the transmission to cool.
- 2. Locate Existing Cooler (if applicable):** Identify the location of the existing transmission oil cooler or the intended mounting location for the new cooler.
- 3. Drain Transmission Fluid (if necessary):** Depending on the installation method, some transmission fluid may need to be drained. Consult your vehicle's manual.
- 4. Remove Old Cooler (if applicable):** Carefully disconnect transmission lines and remove the old cooler. Be prepared for fluid spills.
- 5. Mount the New Cooler:** Position the TYC 19060 cooler in the desired location, ensuring adequate airflow and clearance from other components. Secure it using the integrated mounting provisions.



Figure 2: Front view of the TYC 19060 External Transmission Oil Cooler, highlighting the cooler fins and overall compact design.

6. **Connect Transmission Lines:** Connect the transmission fluid lines to the inlet and outlet ports of the new cooler. Ensure all connections are tight and secure to prevent leaks. Use new clamps if necessary.



Figure 3: Close-up view of a connection port on the TYC 19060 oil cooler, showing the design for hose attachment.

7. **Refill Transmission Fluid:** If fluid was drained, refill the transmission to the correct level with the recommended fluid type.
8. **Check for Leaks:** Reconnect the battery, start the engine, and allow it to reach operating temperature. Carefully inspect all connections for leaks.
9. **Test Drive:** Perform a short test drive, then re-check fluid levels and inspect for leaks again.

OPERATION

The TYC 19060 External Transmission Oil Cooler operates passively to dissipate heat from the transmission fluid. Once properly installed, it requires no direct user interaction for its cooling function. Its performance is optimized when installed in a location with adequate airflow.

MAINTENANCE

- **Regular Inspection:** Periodically inspect the cooler and its connections for any signs of leaks, damage, or corrosion.
- **Cleanliness:** Ensure the cooler fins are free from debris (e.g., leaves, insects, dirt) to maintain optimal airflow and cooling efficiency. Use compressed air or a soft brush for cleaning.
- **Hose and Clamp Check:** Verify that all hoses are in good condition and clamps are secure. Replace any worn or cracked hoses.

- **Fluid Level Check:** Regularly check your transmission fluid level according to your vehicle manufacturer's recommendations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fluid Leakage	Loose connections, damaged hoses, cracked cooler core.	Tighten connections, replace damaged hoses, inspect cooler for damage and replace if necessary.
Reduced Cooling Performance	Blocked cooler fins, insufficient airflow, internal blockage.	Clean cooler fins, ensure proper mounting location for airflow, consult a technician for internal issues.
Unusual Noises	Loose mounting, vibration.	Check all mounting points and tighten securely.

If troubleshooting steps do not resolve the issue, contact a qualified automotive technician.

SPECIFICATIONS

- **Model:** TYC 19060
- **Type:** External Transmission Oil Cooler
- **Dimensions (approx.):** 18.62 x 11.57 x 10.28 inches
- **Weight (approx.):** 3.85 pounds
- **Material:** OE-comparable construction
- **Part Number:** 19060
- **OEM Part Number:** 32920-60190

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official TYC website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Visit the official TYC Store for more products and information:[TYC Store](#)