

H-OFK19-70-SS

# 6AN 70" Transmission Fluid Oil Cooler Hose Line Kit User Manual

Brand: Generic | Model: H-OFK19-70-SS

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the 6AN 70" Transmission Fluid Oil Cooler Hose Line Kit. This kit is designed to improve transmission cooling efficiency and extend the lifespan of your vehicle's transmission by mitigating heat-related failures. It is universally applicable for use with AN6 adapter fittings and is compatible with various GM, Chevy, and Ford transmissions, including TH350, TH400, 4L60E, 4L80E, 700R4, 200-4R, TR6060, AOD, 4R100, 4R70W, and C5 models.

## PRODUCT FEATURES

- **Universal Application:** Designed for any use with AN6 adapter fitting, compatible with a wide range of transmissions including TH350, TH400, 4L60E, 4L80E, 700R4, 200-4R, TR6060, Ford AOD 4R100, 4R70W, and C5.
- **Enhanced Cooling:** Improves transmission cooling efficiency, beneficial for daily driving and for vehicles used for towing or hauling.
- **Extended Transmission Life:** Helps prevent heat-related failures, thereby extending the operational life of the transmission unit.
- **Durable Construction:** Manufactured from Stainless Steel and PTFE, offering a combination of durability, longevity, flexibility, and corrosion resistance. Features a stronger seam and is designed for no leakage.

## SPECIFICATIONS

Attribute	Value
Brand	Generic
Material	Stainless Steel, PTFE
Color	Silver
Item Weight	1.29 Kilograms (2.83 pounds)
Nominal Wall Thickness	0.0375 inches
Outside Diameter	0.38 Inches
Item Length	70 Inches (1778mm)
Model Number	H-OFK19-70-SS
UPC	797332769599

## APPLICATION AND COMPATIBILITY

This hose line kit is designed for universal application with any AN6 adapter fitting. It is specifically compatible with a wide range of automatic transmissions found in GM, Chevrolet, and Ford vehicles. Below is a detailed list of compatible transmissions and example vehicle applications:

### 4L60E Application:

For 94-96 Buick Roadmaster, Fleetwood, Chevrolet Caprice/Impala SS. For 04-07 Buick Rainier. For 99-00/02-05 Escalade (LM7/5.3L V8 Also with 6.0 LQ9). For Chevrolet Silverado 1500-2500 (2500 with 6 bolt axle pattern). For 93-05 Chevrolet Astro, GMC Jimmy/Safari. For 02-08 Chevrolet Avalanche. For 94-05 Chevrolet S-10/S-10 Blazer, GMC Sonoma. For 94-02 Chevrolet Camaro/Pontiac Firebird. For 93-00 Chevrolet C/K, 94-04 Chevrolet Corvette. For 04-12 Chevrolet Colorado, GMC Canyon. For 03-12 Chevrolet Express, 03-06 Chevrolet SSR, 93-09 Chevrolet Suburban 1500. For 02-09 Chevrolet TrailBlazer, 03-10 Chevrolet Tahoe. For GMC Sierra 1500-2500 (2500 with 6 bolt axle pattern), GMC Yukon/XL Denali. For 03-09 GMC Envoy, 03-13 GMC Savana, 93-96 GMC Vandura. For 93-12 Holden Commodore (VR, VS, VT, VX, VY, VZ, VE), 94-08 Holden Caprice (VR, VS, WH, WK, WL and WM), 01-06 Holden Monaro. For Hummer H3. For Oldsmobile Bravada. For 04 Pontiac GTO. For 05-09 Saab 9-7X. For 03-08 Isuzu Ascender.

### 4L80E Application:

For 91-13 Chevrolet C/K/Chevrolet Silverado/GMC Sierra 2500 & 3500, Chevrolet/GMC Suburban/GMC Yukon 1500,2500 & 3500. For 91-09 Chevrolet Van/Chevrolet Express/GMC Savana 2500 & 3500. For 02-06 Chevrolet Avalanche 2500 General Motors LS engine only. For 00-06 Chevrolet HD trucks. For 92-06 Hummer H1. For 92-98 Rolls-Royce Silver Spirit/Spur II, III, IV. For 91- 92 Bentley Eight/Continental (R/S/T). For 91- 97 Bentley Turbo R, 99- 06 Bentley Arnage Red Label / Bentley Arnage R/RL/T. For 93- 96 Jaguar XJS, 94- 97 Jaguar XJR, 93- 97 Jaguar XJ12 / Daimler Double Six. For 96- 99 Aston Martin DB7.

### TR6060 Application:

For 07 Mustang Shelby GT500, 08-16 Falcon, 10-14 Shelby GT500. For 08-13 Chevrolet Corvette/10-on Chevrolet Camaro SS/12-on Chevrolet Camaro ZL1/15-17 Chevrolet SS. For 08-17 Dodge Viper/Holden Special Vehicles Range. For 09-on Dodge Challenger. For 09 Pontiac G8 GXP. For 13-17 Gen-F HSV. For 09-15 CTS-V, 13-18 ATS

2.0L Performance, 16-19 ATS-V, 21-on CT4-V Blackwing, 21-on CT5-V Blackwing.

### **AOD Application:**

For 80-86 LTD. For 80-93 Thunderbird/F-Series, Mercury Cougar. For 82-93 Bronco, 83-93 Econoline, 84-93 Mustang, 83-91 LTD Crown Victoria, 92 Crown Victoria. For 80-86 Mercury Marquis, 83-92 Mercury Grand Marquis, 81-92 Lincoln Town Car, 80-87 Lincoln Continental, 86-92 Lincoln Mark VII, 80-83 Continental Mark VI, 84-85 Continental Mark VII.

### **4R70W Application:**

For 93-03 F-Series. For 94-97 Thunderbird, Mercury Cougar. For 95-04 Crown Victoria, Mercury Grand Marquis. For 96-01 Explorer, 97-04 Expedition, 96-04 Mustang. For 93-98 Lincoln Mark VIII, 93-04 Lincoln Town Car. For 97-01 Mercury Mountaineer/03 Mercury Marauder. For 04-05 Rover 75 V8.

### **4R100 Application:**

For 99-04 Lightning (F-150 SVT), 02-03 F-150 Harley-Davidson Edition, 00-03 Excursion For, 97-04 E-Series. For 99-03 F-150 7700 Series (LEV - Low Emissions Vehicles only)/Super Duty/Expedition (with 5.4 V-8). For 02 Lincoln Blackwood, 98-04 Lincoln Navigator.

## **Kit Contents and Overview**

The 6AN 70" Transmission Fluid Oil Cooler Hose Line Kit includes all necessary components for installation. Familiarize yourself with the parts before beginning the installation process.



Figure 1: Overview of the 6AN 70" Transmission Fluid Oil Cooler Hose Line Kit, showing the braided hoses and various adapter fittings.

# **6AN 70"** Transmission **Fluid Oil Cooler Hose Line kit**

- **Improve the transmission cooling efficiency of your daily driver.**
- **Help extend the life of your unit by avoiding heat related failure.**



Figure 2: The kit components, emphasizing its purpose to improve cooling efficiency and extend transmission life.



Length: 1778MM (70.0")

**Stainless Steel Braided Hose x2**



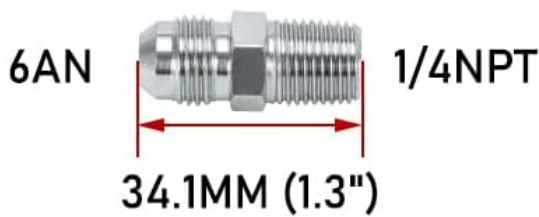
**90degree Adapter Fitting  
6AN Female to 6AN Male x4**



**Adapter Fitting  
6AN to 1/4NPS x1**



**Adapter Fitting  
6AN to 1/4NPS x1**



**Adapter Fitting  
6AN to 1/4NPT x4**



**Adapter Fitting  
6AN to 3/8NPT x2**

Figure 3: Illustration of the universal application of the AN6 adapter fittings for different transmission types.

- ✓ **Corrosion resistant**
- ✓ **Stronger seam**
- ✓ **No leakage**
- ✓ **Combine durability and longevity with flexibility**

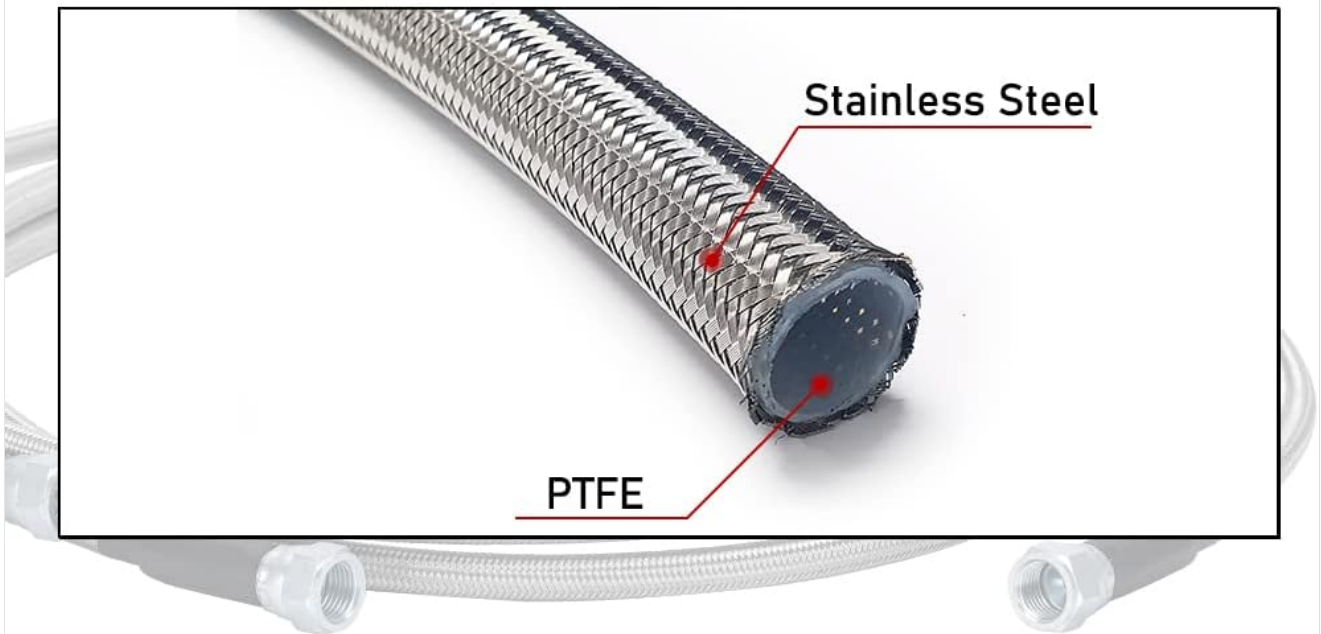
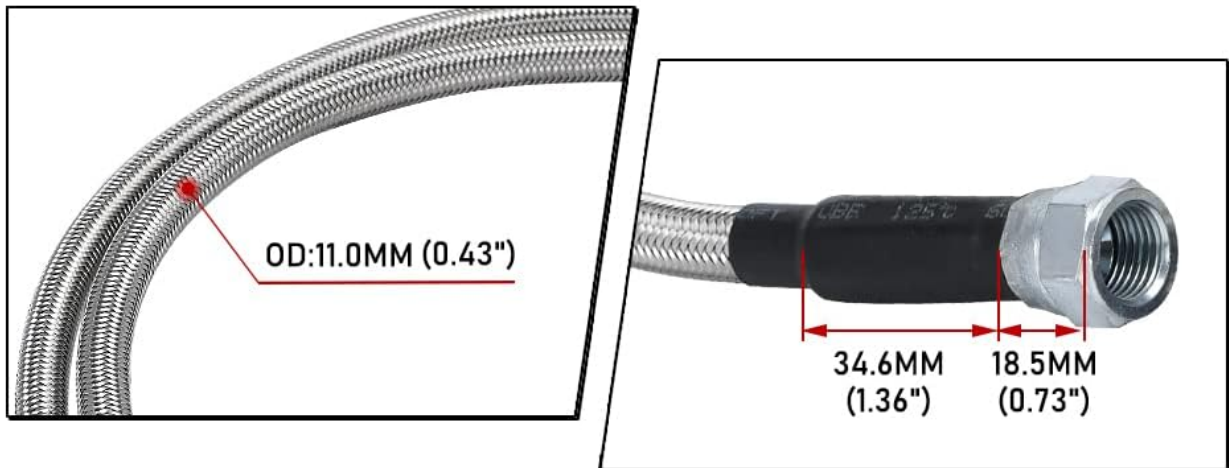


Figure 4: Detailed breakdown of the kit components, including hose length (70 inches) and various adapter fitting types (90-degree, 1/4NPS, 1/4NPT, 3/8NPT) with their dimensions.



Figure 5: Close-up view of the hose construction, highlighting the corrosion-resistant stainless steel braiding over a PTFE inner layer, ensuring durability and no leakage.

## SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your transmission cooling system. It is recommended that installation be performed by a qualified technician. Always ensure the vehicle is safely supported and the engine is cool before beginning work.

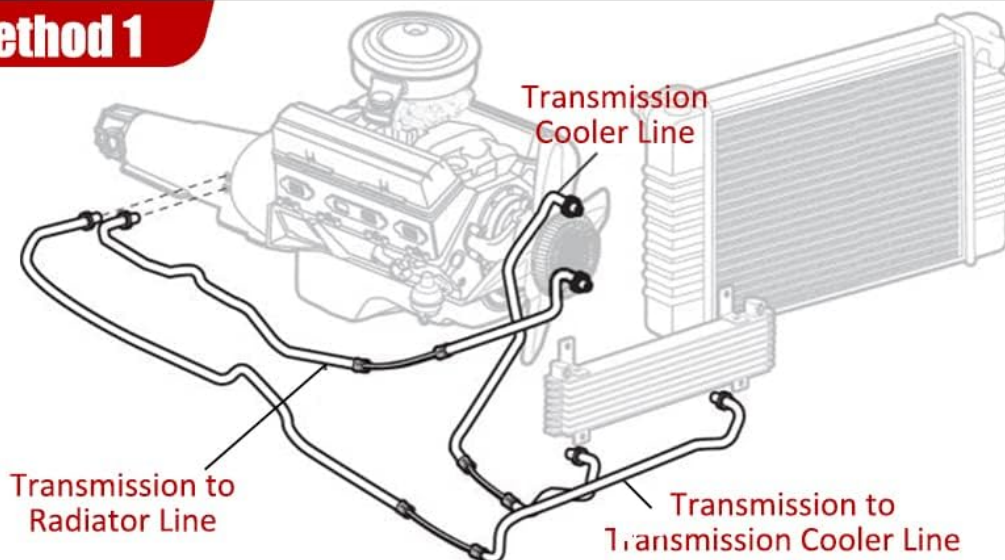
### General Installation Steps:

1. **Preparation:** Ensure the vehicle is off, cool, and safely lifted. Gather all necessary tools, including wrenches, fluid drain pans, and new transmission fluid.
2. **Drain Fluid:** If necessary, drain a small amount of transmission fluid to prevent spills during hose removal.
3. **Remove Old Hoses:** Carefully disconnect and remove the existing transmission cooler lines from both the transmission and the cooler/radiator. Be prepared for residual fluid.

4. **Install Adapter Fittings:** Select the appropriate AN6 adapter fittings from the kit based on your transmission and cooler ports. Apply thread sealant if recommended by your vehicle's manufacturer or the fitting instructions. Securely tighten the fittings.
5. **Route New Hoses:** Carefully route the new stainless steel braided PTFE hoses from the transmission to the cooler. Ensure hoses are not kinked, pinched, or in contact with hot or moving parts. Allow for sufficient slack for engine movement.
6. **Connect Hoses:** Connect the AN6 hose ends to the installed adapter fittings. Tighten all connections securely, but do not overtighten.
7. **Fluid Refill and Check:** Refill the transmission fluid to the correct level according to your vehicle's service manual.
8. **Leak Check:** Start the engine and allow it to reach operating temperature. Carefully inspect all new connections for any signs of leaks. Address any leaks immediately.
9. **Final Check:** Re-check fluid levels after a short drive and adjust as necessary.

## 2 WAY CONNECTIONS

### Method 1



### Method 2

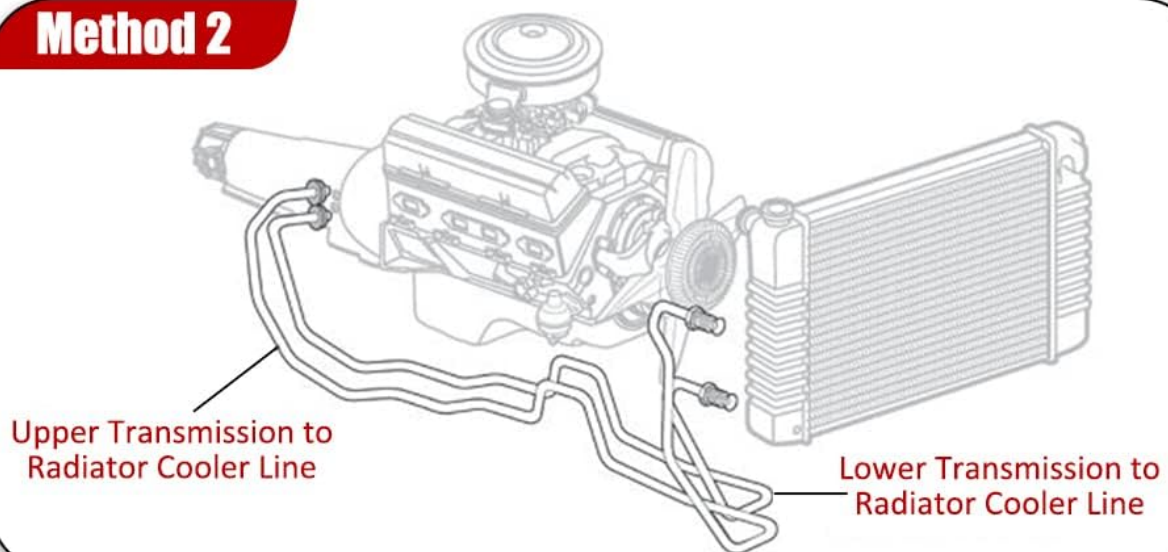


Figure 6: Diagrams illustrating two common methods for connecting transmission cooler lines to the radiator and an external cooler, providing visual guidance for routing.

# UNIVERSAL FOR ANY USE WITH AN6 ADAPTER FITTING

- For Transmission TH350, TH400, 4L60E, 4L80E, 700R4, 200-4R, TR6060, Ford AOD 4R100, 4R70W, and C5.

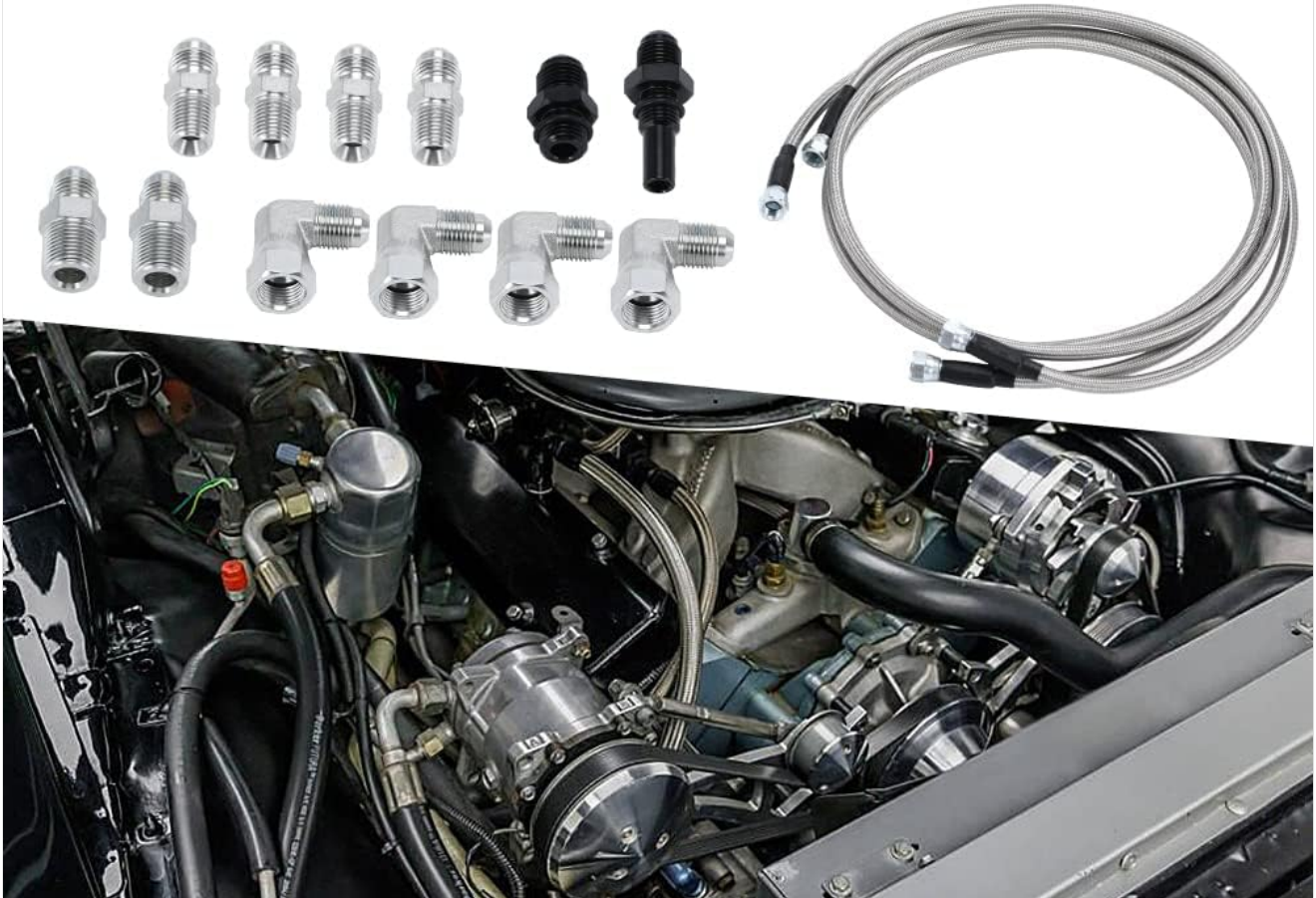


Figure 7: Examples of installed transmission cooler lines, showing typical routing and connection points on a vehicle.

## Installation Video:

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Video 1: An overview of the 6AN 70" Transmission Fluid Oil Cooler Hose Line Kit, demonstrating the components and their quality. This video provides a visual introduction to the product.

## OPERATING INSTRUCTIONS

Once properly installed, the transmission fluid oil cooler hose line kit operates passively as part of your vehicle's transmission cooling system. It facilitates the flow of transmission fluid to and from the cooler, ensuring optimal operating temperatures.

- **Fluid Circulation:** Transmission fluid circulates through the new lines to the external cooler (if installed) or the radiator's integrated cooler, where heat is dissipated.

- **Temperature Regulation:** The improved flow and material properties contribute to more effective heat exchange, helping to maintain the transmission within its optimal temperature range.
- **Continuous Operation:** The system operates continuously whenever the engine is running, ensuring consistent cooling.

## MAINTENANCE

Regular inspection of the transmission fluid oil cooler hose lines is recommended to ensure continued performance and safety.

- **Visual Inspection:** Periodically inspect the entire length of the hoses and all fittings for any signs of wear, fraying, kinks, or leaks. Pay close attention to connection points.
- **Fluid Level Check:** Regularly check your transmission fluid level according to your vehicle manufacturer's recommendations. Low fluid levels can indicate a leak in the system.
- **Cleanliness:** Keep the hoses and fittings clean from dirt, debris, and corrosive substances.
- **Tightness of Fittings:** Over time, vibrations can loosen fittings. Periodically check that all fittings are securely tightened. Do not overtighten.
- **Damage:** If any damage (e.g., cuts, severe abrasion, persistent leaks) is observed, replace the affected hose or fitting immediately.

## TROUBLESHOOTING

If you encounter issues after installing the transmission fluid oil cooler hose line kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
<b>Fluid Leaks at Fittings</b>	<ul style="list-style-type: none"> <li>◦ Fittings not tightened sufficiently.</li> <li>◦ Damaged threads on fittings or ports.</li> <li>◦ Incorrect thread sealant or no sealant used.</li> <li>◦ Cross-threaded fittings.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure all fittings are tightened to the manufacturer's specifications.</li> <li>◦ Inspect threads for damage; replace if necessary.</li> <li>◦ Use appropriate thread sealant for automotive applications.</li> <li>◦ Ensure fittings are started straight and not cross-threaded.</li> </ul>
<b>Hose Kinking or Rubbing</b>	<ul style="list-style-type: none"> <li>◦ Improper routing of hoses.</li> <li>◦ Insufficient slack for engine movement.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Re-route hoses to avoid sharp bends or contact with other components.</li> <li>◦ Ensure adequate slack is provided, especially near engine mounts.</li> </ul>
<b>Transmission Overheating</b>	<ul style="list-style-type: none"> <li>◦ Air trapped in the cooling system.</li> <li>◦ Insufficient transmission fluid.</li> <li>◦ Cooler blockage or malfunction.</li> <li>◦ Incorrect hose routing restricting flow.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Bleed air from the system if applicable (consult vehicle manual).</li> <li>◦ Check and top off transmission fluid to correct level.</li> <li>◦ Inspect the transmission cooler for obstructions or damage.</li> <li>◦ Verify hose routing for unrestricted flow.</li> </ul>

If problems persist, consult a professional automotive technician.

## WARRANTY AND SUPPORT

For specific warranty information and customer support regarding this product, please refer to the documentation provided with your purchase or contact the manufacturer directly. The manufacturer's contact details are typically found on the product packaging or their official website.

For general inquiries or assistance, you may also reach out to the seller, SJDYMX, through the platform where the product was purchased.