

Introduction

This document provides instructions for installing an accessory on a Cat® Utility Vehicle (CUV). Do not perform any procedure in this document until you have read and understood the information contained in this document and the Operation and Maintenance Manual.

Safety Section

WARNING

Do not operate or work on this product unless you have read and understood the instruction and warnings in the relevant Operation and Maintenance Manuals and relevant service literature. Failure to follow the instructions or heed the warnings could result in injury or death. Proper care is your responsibility.

WARNING

Failure to follow all safety guidelines prescribed in this document and by governing authorities and regulatory agencies may result in severe injury or death of personnel or machine damage.

WARNING

When removing a major component or attachment, ensure that it is properly blocked or secured before removing mounting hardware. An assembly that is disconnected without proper blocking may shift or fall, resulting in serious injury or death of personnel or machine damage.

WARNING

Personal injury or death can result from improper maintenance procedures. To avoid injury or death, follow the procedures exactly as stated below.

WARNING

Personal injury can result from improper handling of chemicals. Make sure you use all the necessary protective equipment required to do the job. Make sure that you read and understand all directions and hazards described on the labels and material safety data sheet of any chemical that is used. Observe all safety precautions recommended by the chemical manufacturer for handling, storage, and disposal of chemicals.

WARNING

Before servicing/performing maintenance on the machine, electrical power must be physically disconnected; battery cables must be disconnected from the battery. All applicable lock out and tag out procedures must be followed.

WARNING

Observe the safe working load limits of all lifting and blocking devices and keep a safe distance from suspended/blocked loads. Personnel may be seriously injured or killed by falling loads.

WARNING

Do not operate the machine if any guards or covers are missing or inadequately secured. Personnel could be seriously injured or machine damage may occur.

Caterpillar®

Installation Instructions - Accessory Kit

Engine Heater Kit (p/n 571-1974)



■ **NOTE:** Read these installation instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

Kit includes:	
QTY	DESCRIPTION
1	Engine Heater w/Heater Cord
2	Hose Clamp
4	Cable Tie

Installing Engine Heater

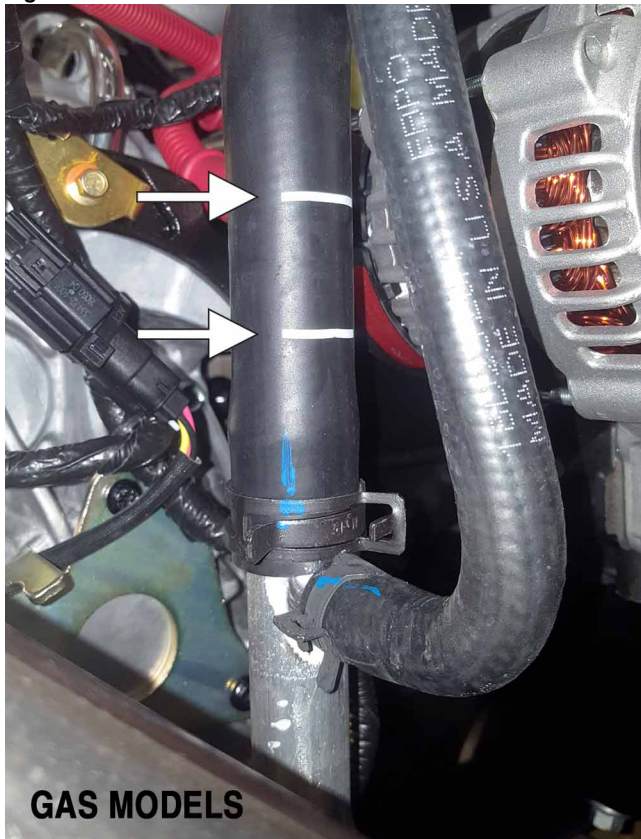
1. Allow the engine and exhaust system to cool; then clean the installation area before beginning this installation.

⚠ WARNING

Allow the vehicle engine to cool before beginning the installation. Contact with hot components can cause severe burns. Always wear proper eye protection.

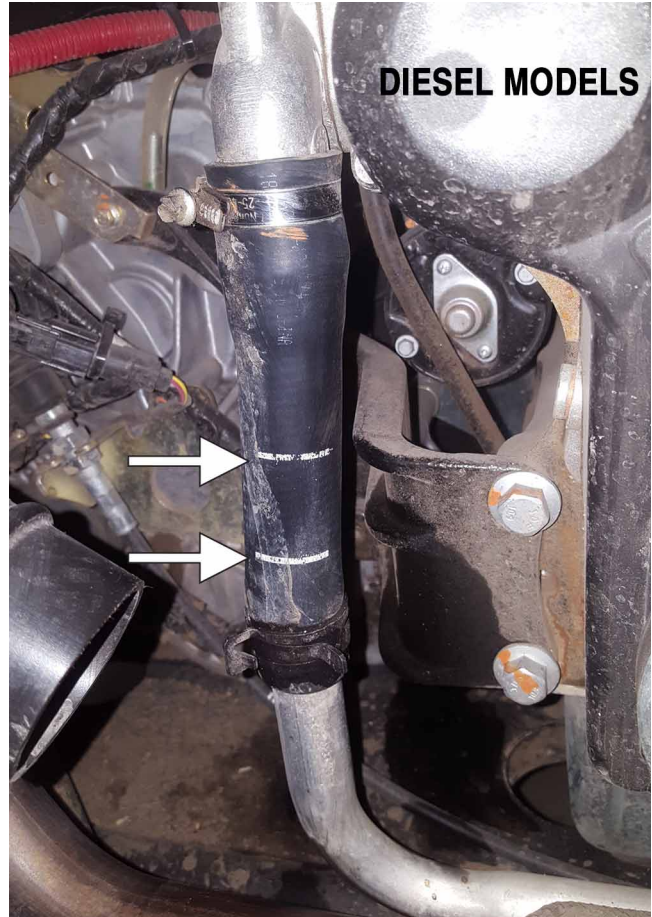
2. Drain the cooling system.
3. Located the coolant hose located to the rear right-side of the engine that has cut lines on the coolant hose. See Fig. 1 and 2.

Fig. 1



ROV-972

Fig. 2



ROV-973

4. Cut the hose at the two outside marks.
5. Lubricate the cut end of the hose nearest to the engine with water; then slide a Hose Clamp onto the hose. Insert the Engine Heater into the engine side of the hose.
6. Lubricate the cut end of the hose nearest the radiator with water; then place a Hose Clamp onto the hose. Insert the Heater into the hose.
7. Making sure the heater is completely seated on each section of hose, secure the heater with the clamps.
8. Plug the heater cord into the heater socket making sure it is completely seated.
9. Route the heater cord to the desired plug in location. Secure the cord with Cable Ties as needed.

■ **NOTE:** Be sure the heater cord or heater harness cord is secured away from hot or moving parts and that it will not interfere with the proper operation of the vehicle.

10. Fill the cooling system with an appropriate amount of coolant. Refer to the Service Manual for specific instructions.

11. Operate the vehicle and check for any leaks in the cooling system.

Operating Engine Heater

1. Place the vehicle on a level surface; then connect the heater cord to a properly grounded 110 volt AC outlet.

WARNING

Always connect heater to a properly grounded 120 volt AC outlet. The vehicle should always be on a level surface while heater is in use.

■ **NOTE:** Placing the vehicle on a level surface ensures the heated coolant will flow naturally through the system. Improper angles can affect the natural flow of heated coolant and its ability to warm the engine.

2. Allow 2-4 hours for the heater to reach its peak temperature.

■ **NOTE:** The heater is thermostatically controlled and can be plugged in overnight.

WARNING

Avoid contact with the heater housing since the heater housing becomes extremely hot while plugged in or during use and may cause serious burns to skin.