

## 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

<p><b>⚠ WARNING</b></p> <p>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.</p>	<p><b>⚠ WARNING</b></p> <p>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.</p>
<p><b>⚠ WARNING</b></p> <p>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.</p>	<p><b>⚠ WARNING</b></p> <p>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.</p>
<p><b>⚠ WARNING</b></p> <p>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.</p>	<p><b>⚠ WARNING</b></p> <p>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.</p>
<p><b>⚠ WARNING</b></p> <p>Personal injury or death can result from improper maintenance procedures. To avoid injury or death, follow the procedures exactly as stated below.</p>	<p><b>⚠ WARNING</b></p> <p>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.</p>

# Caterpillar®

## Installation Instructions - Accessory Kit

### Windshield Washer Kit

(p/n 546-0920)



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

#### Kit includes:

QTY	DESCRIPTION
1	Washer Bottle Tank w/Pump
1	Washer Bottle Bracket
1	Washer Bottle Weldment
3	Hex Flange Screw (M6)
2	Flat Washer (M6)
3	Flange Nut (M6)
4	Cable Tie
1	Washer Hose
1	Double Jet Sprayer

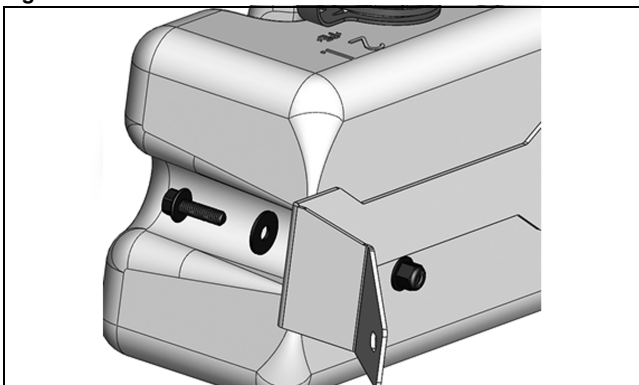
#### Tools Required:

- Ruler or Measuring Tape
- Blue Loctite #243
- Chalk or White Pencil
- Power Drill
- T30 Torx Bit
- 8 mm (or 5/16 in.) Drill Bit
- 10 mm Wrench
- 10 mm Socket, Extension, and Ratchet
- Torque Wrench
- 13 mm Wrench

#### INSTALLING TANK AND SPRAYER

1. Remove the hood.
2. Secure the Washer Bottle Bracket to Washer Bottle Tank assembly using one M6 Hex Flange Screw, one M6 Flat Washer, and one M6 Flange Nut. Tighten to 40 in.-lb. See Fig. 1.

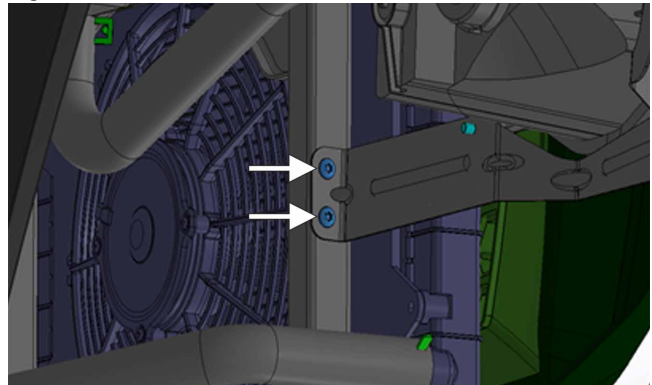
Fig. 1



VOR-262

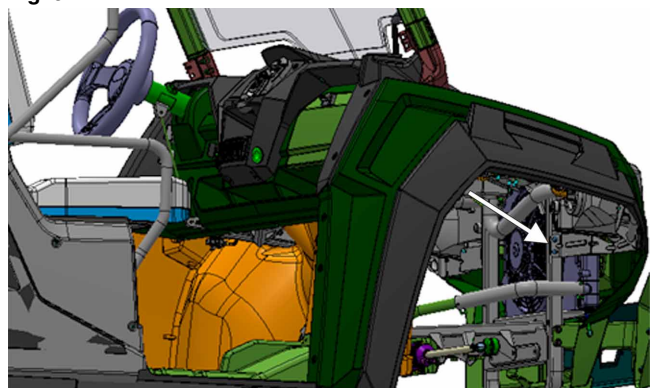
3. On the right side of the vehicle and next to the headlight, remove and retain the two screws securing the headlight bracket to the radiator. See Fig. 2 and 3.

Fig. 2



VOR-263

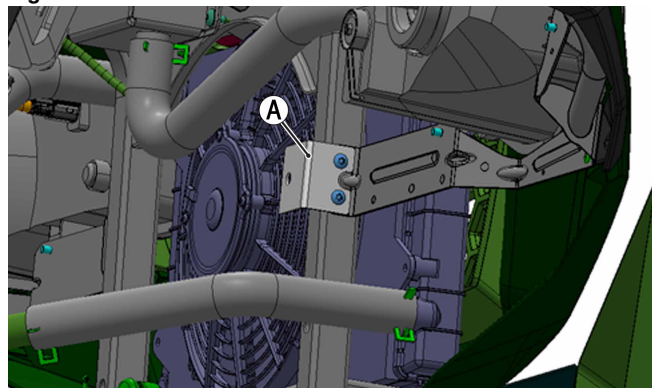
Fig. 3



VOR-264

4. Position Washer Bottle Weldment (A) over the two mounting locations in the previous step; then secure using the existing screws from the previous step (threads coated with Blue Loctite #243). Tighten to 40 in.-lb. See Fig. 4.

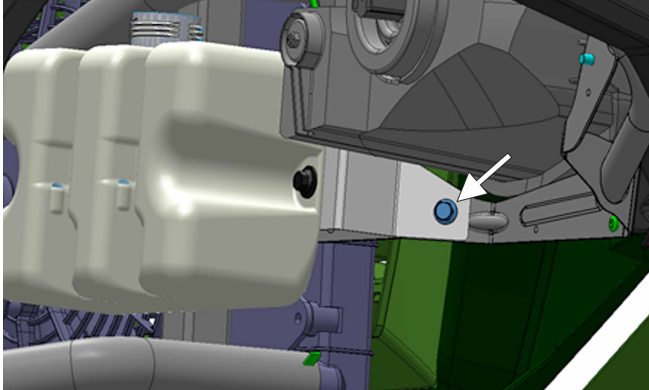
Fig. 4



VOR-265

- Position the washer tank assembly with the headlight bracket; then secure using one M6 Hex Flange Screw and one M6 Flange Nut (threads coated with Blue Loctite #243). Tighten to 50 in.-lb. See Fig. 5.

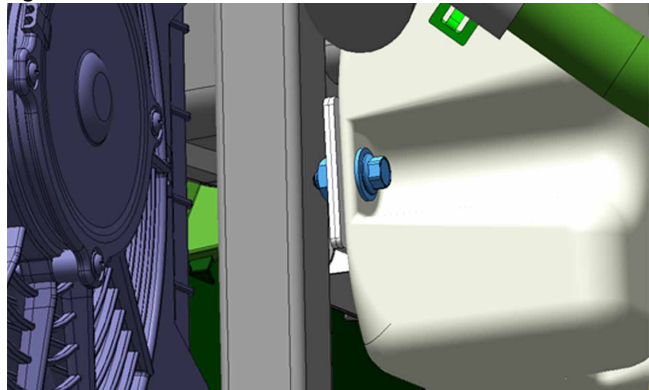
Fig. 5



VOR-266

- Secure the opposite side of the washer tank to the weldment using one M6 Hex Flange Screw, one M6 Flat Washer, and one M6 Flange Nut (threads coated with Blue Loctite #243). Tighten to 40 in.-lb. See Fig. 6.

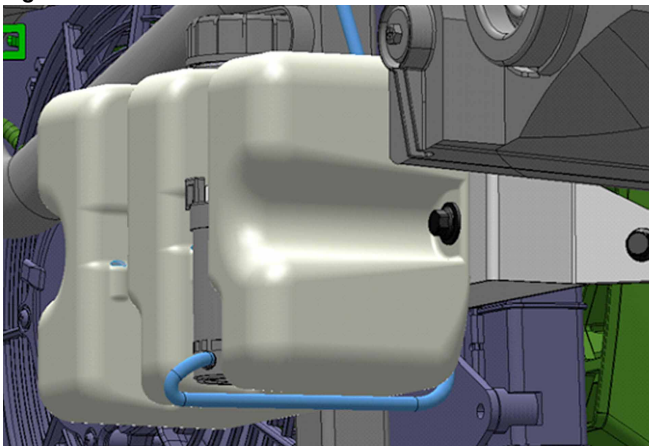
Fig. 6



VOR-267

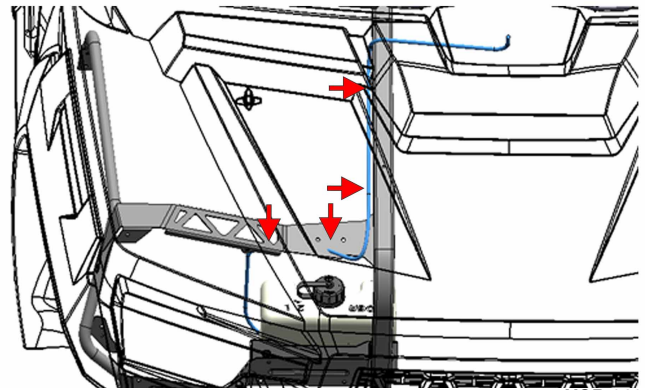
- Install Washer Hose onto the pump; then route the hose down and under the tank and up to the center part of the hood panel. Secure the hose using four Cable Ties. See Fig. 7 and 8.

Fig. 7



VOR-416

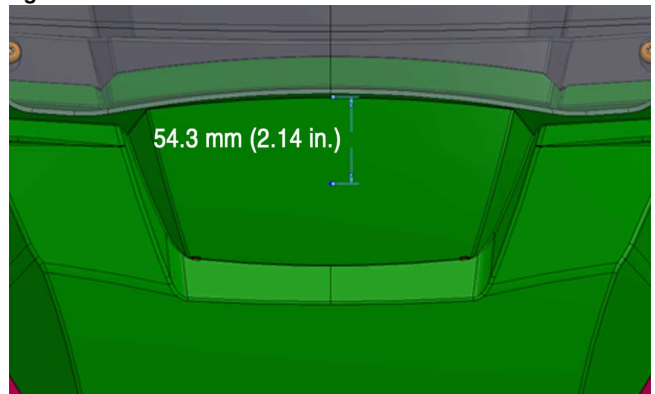
Fig. 8



VOR-269

- Measure 54.3 mm (2.14 in.) down from the center of the windshield; then using an 8 mm or 5/16 in. drill bit, drill a hole in the panel. **Make sure to only drill through the hood panel.** See Fig. 9.

Fig. 9



VOR-270

- Install Double Jet Sprayer through the hood and secure using the nut and rubber washer. Do not over-tighten.
- Install the washer hose onto the Double Jet Sprayer. The sprayer should face toward the windshield. See Fig. 10.

Fig. 10



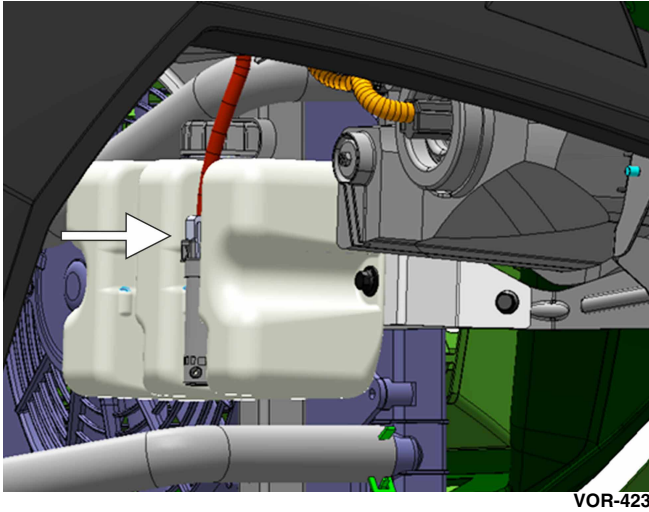
VOR-271



## INSTALLING HARNESS

1. Connect Wiring Harness to the pump located on the tank. See Fig. 11.

Fig. 11



2. Route the harness (in red) up to the right-side PDM and follow along the main harness over to the headlight switch area. Cable tie as needed. See Fig. 12 and 13.

Fig. 12

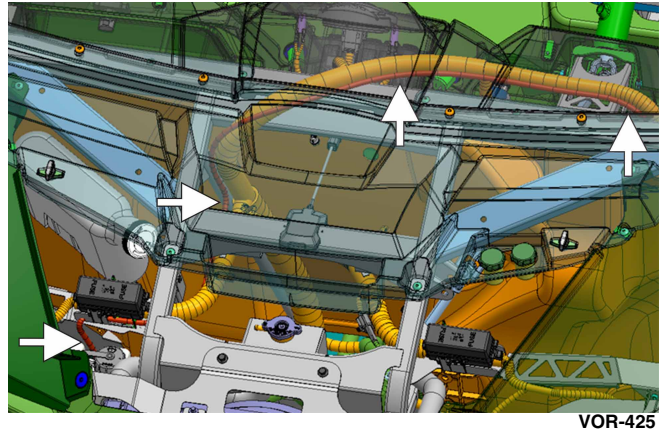
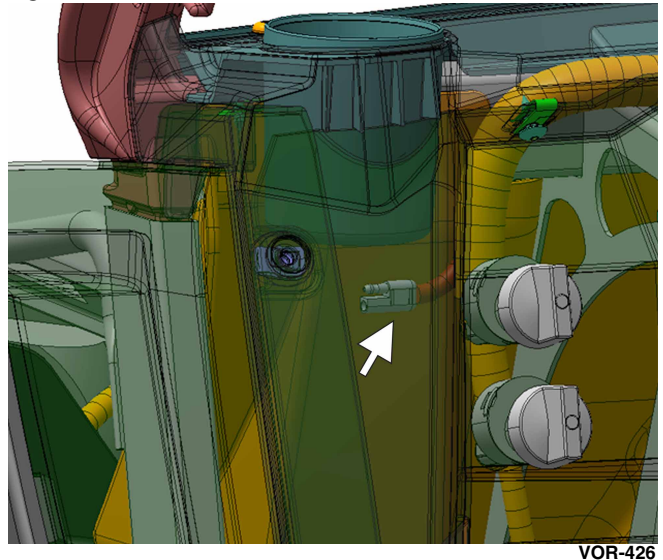


Fig. 13



11. Install the hood.

■ **NOTE:** If adjustment to the prayer pattern/direction is needed, the use of a sewing pin is recommend. Larger items may damage the sprayer.