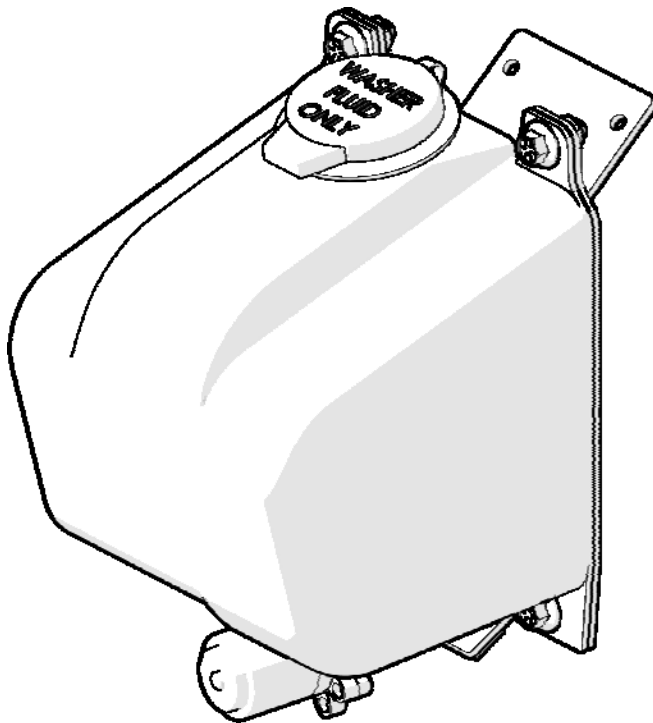




**CLUB CAR CARRYALL  
WINDSHIELD WASHER KIT**  
p/n: 47693131001



Requires one of the following Cab Assemblies

- 47587415001 - Complete Cab Kit
- 47587415003 - Basic Cab Kit
- 47597415004 - LSV Basic Cab Kit

Requires Overhead Console 47587420001 or 47587420002

Approximate Installation Time *
Experienced Dealer Technician – 20 Minutes
Average Dealer Technician – 30 Minutes
Do-It-Yourself – 45 Minutes

Approximate Product Specifications
Weight: 2.77 lbs. (1.25kg)

(\*=Not including other accessories)

The contents of this envelope are the property of the owner. Leave with the owner when installation is complete.

## WARNINGS, TIPS, & REQUIRED TOOLS

*For accurate installation, proper operation, and years of satisfaction, please read and understand this installation manual fully prior to installing the windshield washer kit.*

*From all of us at Curtis, we thank you for choosing our product.*

### TOOLS REQUIRED:

- #2 Phillips screwdriver
- 3/8", 7/16", 8mm and 10mm open-end wrenches or sockets
- Wire cutters
- Measuring tape
- Hand drill with 19/64" (.297") drill bit
- Flat screwdriver, small
- Windshield washer fluid

## INSTALLATION

### 1. Washer Reservoir/Pump Installation:

- 1.1 Connect the supplied rubber hose to the washer pump, located at the bottom of the reservoir.
- 1.2 Remove the front hood. Place the reservoir bracket on top of the upper frame tube on the right (passenger's side) of the front compartment. See figure 1.2. Locate the reservoir so that the edge of the cab is a 1/4" to the left of the guide tabs for the hood at the rear of the front compartment.
- 1.3 Attach the reservoir bracket to the frame via two #10 self-drilling screws See figure 1.2.

### 2. Washer Nozzle Installation:

- 2.1 Measure 12" from the rear of the hood, centered left-to-right, and drill a 19/64" (.297") hole into the Carryall hood. See Figure 2.1.
- 2.2 Install the washer nozzle into the hood and tighten the nut underneath, with the nozzle pointed to the windshield. Connect the rubber hose from the pump to the washer nozzle.

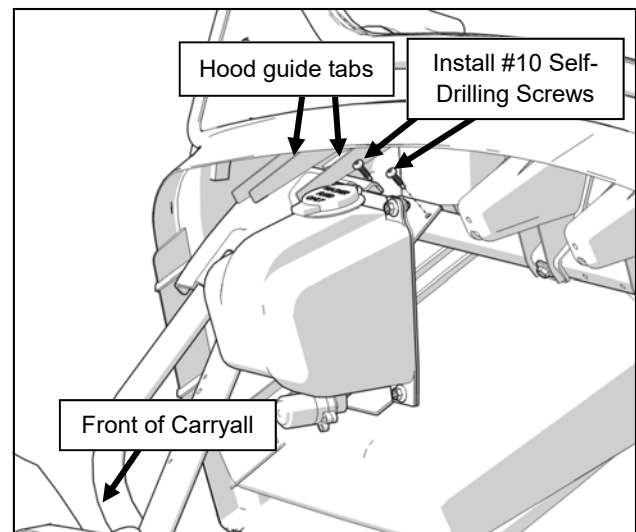


Fig. 1.2

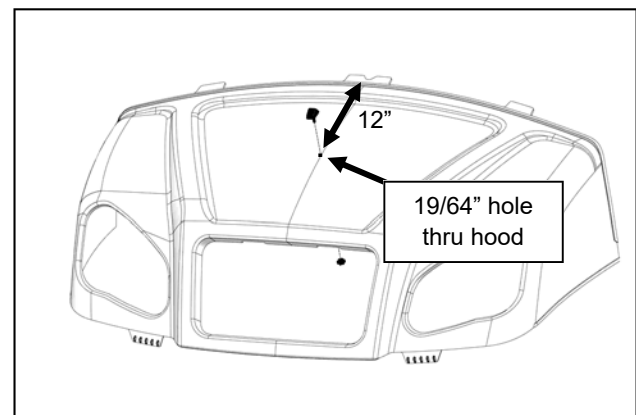


Fig. 2.1

# INSTALLATION

## 3. Wiring, Console Preparation:

NOTE: If the Console is already installed, remove the internal mirror (if applicable) from its bracket, remove the four 1/4-20 screws from the corners of the console, and allow the console to hang from the windshield support via the tethers attached to the console.

If the console is not installed, steps 3.1 through 3.6 can be performed on a work bench.

- 3.1 Remove one of the switch plugs from the console and install the washer switch as shown. See Figure 3.1.

NOTE: If installing along with a rear light kit, install the light switch in the spot 2nd from center, and the washer switch in the spot closest to center.

- 3.2 Install the windshield washer harness onto the switch. Route all wires along the other wires from the switches toward the fuse block. See figure 3.2.
- 3.3 Remove and retain the three #10-32 screws and nuts holding the fuse block bracket to the console panel. Connect the push-on terminals of the Washer harness to the fuse block terminals as shown. Connect the black wire to any terminal of the ground block, and the red wire to the fuse terminal indicated. See Figure 3.3.
- 3.4 Install the included 3-amp fuse into the fuse block, at the slot connected to the washer harness.
- 3.5 Re-install the fuse block panel to the console with the three #10-32 screws outside the console, and nuts inside. Make sure no wires are pinched under the fuse block bracket.
- 3.6 Secure the wires between the fuse block and washer switch to the rest of the wires in the console with 4" cable ties. Route the loom-covered wires out past the side of the console panel. See figure 3.6.

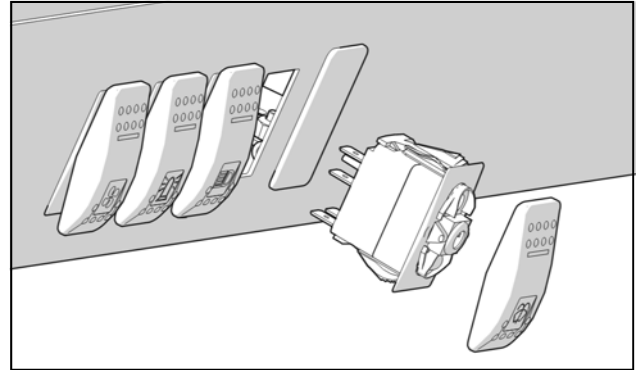


Fig. 3.1

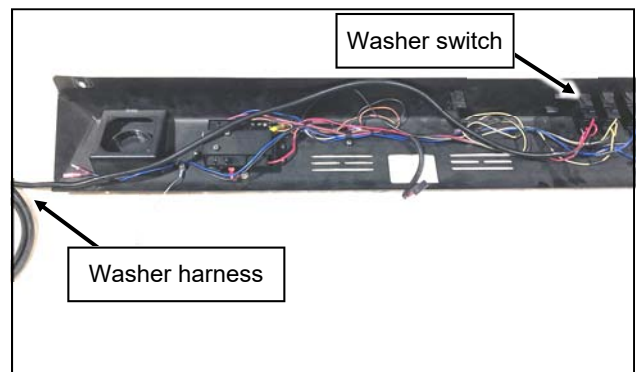


Fig. 3.2

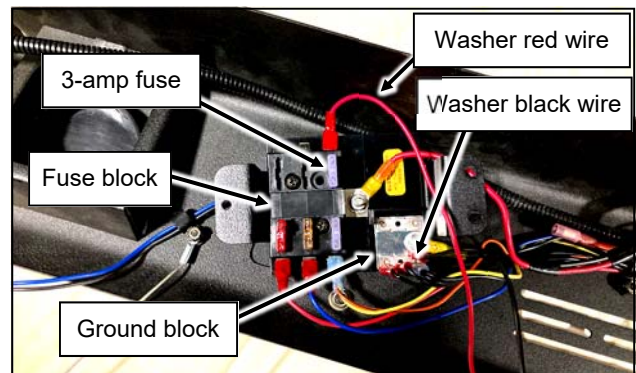


Fig. 3.3

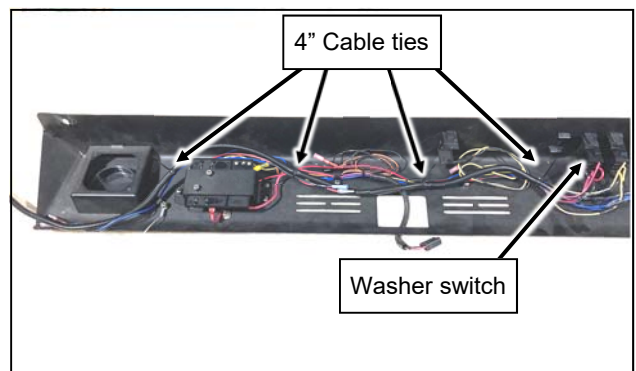


Fig. 3.6

# INSTALLATION

## 4. Wiring, Harness Routing:

- 4.1 Install the Console panel to the Windshield Support with the four 1/4-20 bolts. Refer to the Console instructions if additional accessories will be installed.

NOTE: The washer harness fits through the gap between the side flange of the console panel and the Carryall frame.

- 4.2 Attach the Washer Harness to the inside face of the driver's side cab front leg with self-adhesive pads and 4" cable ties. See Figure 4.2.
- 4.3 Route the washer harness underneath the dashboard toward the front compartment of the Carryall. See Figure 4.3.
- 4.4 Inside the front compartment, connect the wires from the washer harness to the pump, red to "+", black to "-". See Figure 4.4. Secure the washer harness to the Carryall frame with 8" cable ties.
- 4.5 Turn the Carryall ignition on and verify the washer switch lights up. Briefly press the washer switch button and listen for the washer pump to verify the system functions properly. Turn the ignition off.

## 5. Washer Nozzle Adjustment:

- 5.1 Connect the rubber hose from the pump to the washer nozzle. Fill the washer reservoir with washer fluid to at least an inch of fluid depth. Install the hood back onto the vehicle. Turn the ignition on, press the windshield washer button and observe where the nozzle sprays onto the windshield.
- 5.2 Adjust the washer nozzle by rotating the nozzle left or right, and up or down using a small flat screwdriver in the nozzle tip.

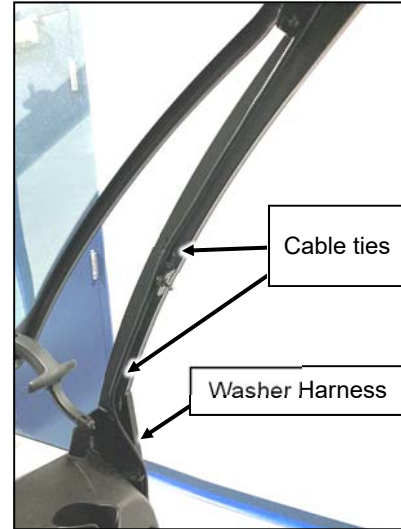


Fig. 4.2

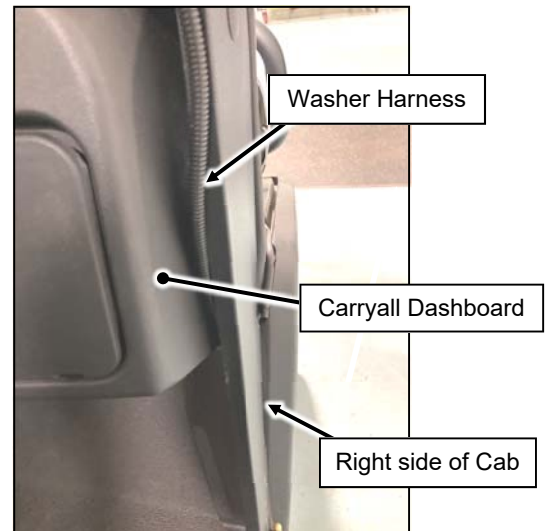


Fig. 4.3

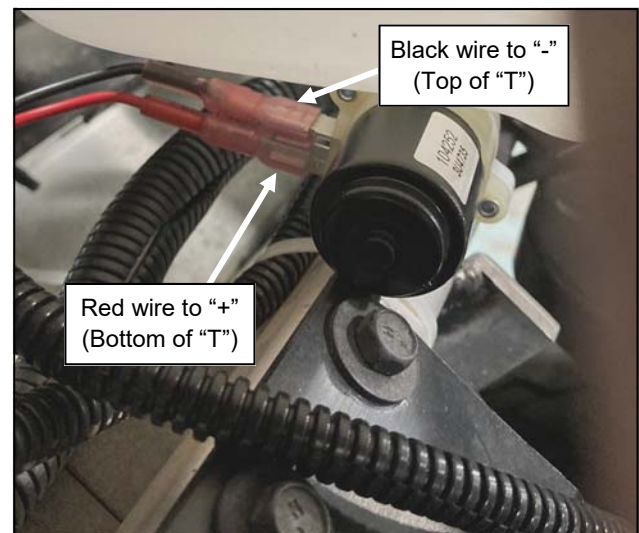
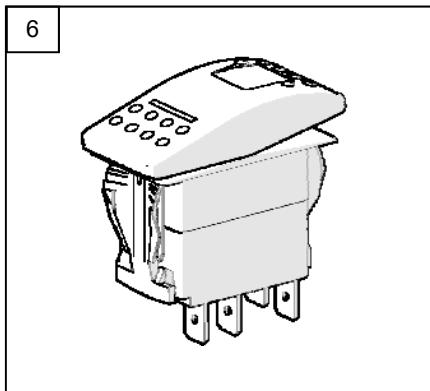
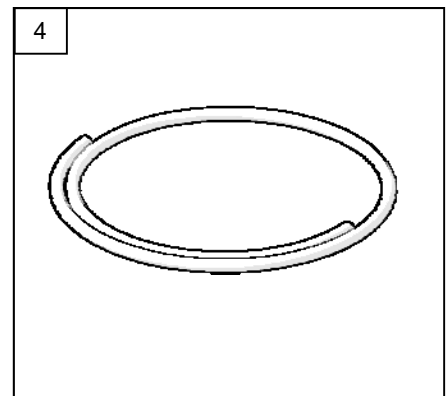
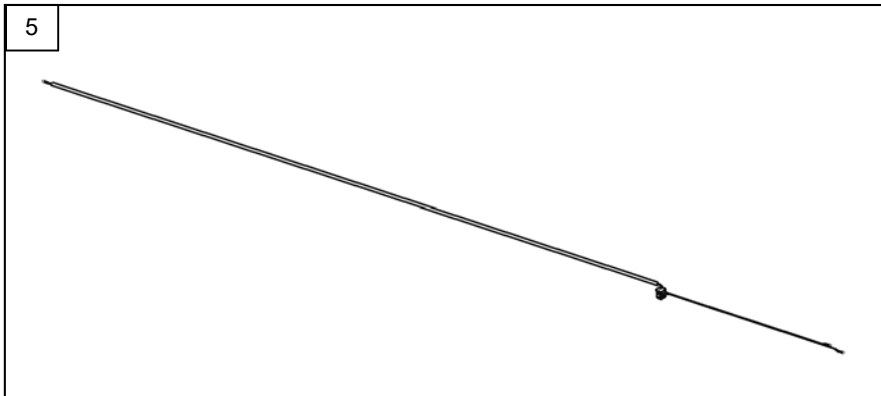
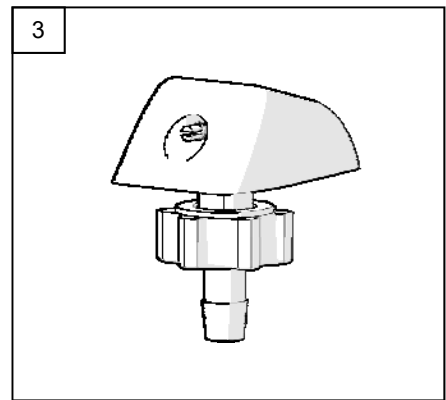
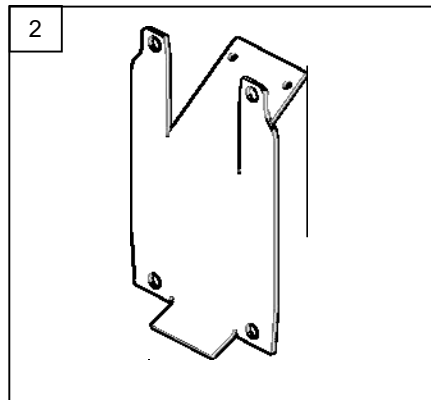
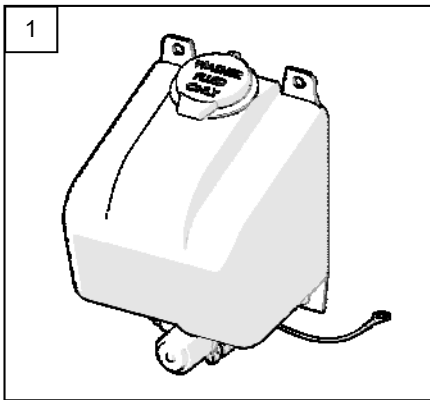


Fig. 4.4

# SERVICE PARTS

#	PART NUMBER.	DESCRIPTION	QTY.
1	9PWW2	1/2 GALLON WASHER PUMP	1
2	8SV-SM-01849	MOUNTING BRACKET, WINDSHIELD WASHER	1
3	9SV-9PWW6	WINDSHIELD WASHER NOZZLE, WIDE ANGLE	1
4	9SV-9PWWH-3/16	3/16" RUBBER WASHER HOSE	15 FT
5	9SV-WH-00132	WIRE HARNESS, WINDSHIELD WASHER	1
6	9SV-OHC-22	LIGHTED 2 POSITION SWITCH, CARLING (OFF-MOMENT ON)	1



## Tightening of Non-Structural Bolts

For light or medium duty fastening, Curtis recommends using a general industry standard of tightening until snug and then giving an additional one quarter turn of the tool as deemed reasonable for the application (i.e.: at the installer's discretion).

If torque values are required, the examples listed below are intended as a reasonable reference for use in the majority of non-structural fastener applications such as: small diameter fasteners; bolts passing thru tubing, glass, plastic, nylon or rubber washers, threaded inserts, etc.

If more than one application below applies, use the lower torque value.

FASTENER SIZE:	FASTENER TYPE:	WASHER MATERIAL:	APPLICATION:	TORQUE (INCH-POUNDS) (±5)
#10	Machine Screws	-	in Nylon P-Clamps	20
#10	Machine Screws	-	Strobe Light (plastic base)	35
M5	Set Screws	-	Wiper Arm	20
1/4"	Cap Nut	-	Windshield Wiper	20
1/4"	Bolts	-	Tubing (5/8" to 3/4" wide)	132
1/4"	Bolts	Rubber	-	60
1/4"	Bolts	Nylon / Plastic	-	72
1/4"	Bolts	-	Factory Installed Threaded Inserts	132
5/16"	Bolts	-	Tubing (1" or wider)	60
5/16"	Flat Head Bolts	-	Plastic Windshield Hinge	79
5/16"	Bolts	Rubber	-	120
5/16"	Bolts	Nylon / Plastic	-	150
5/16"	Ball Studs	-	-	150
5/16"	Bolts	-	Factory Installed Threaded Inserts	240
3/8"	Bolts	-	Tubing	120
M12	Door Striker Pins	-	-	120