



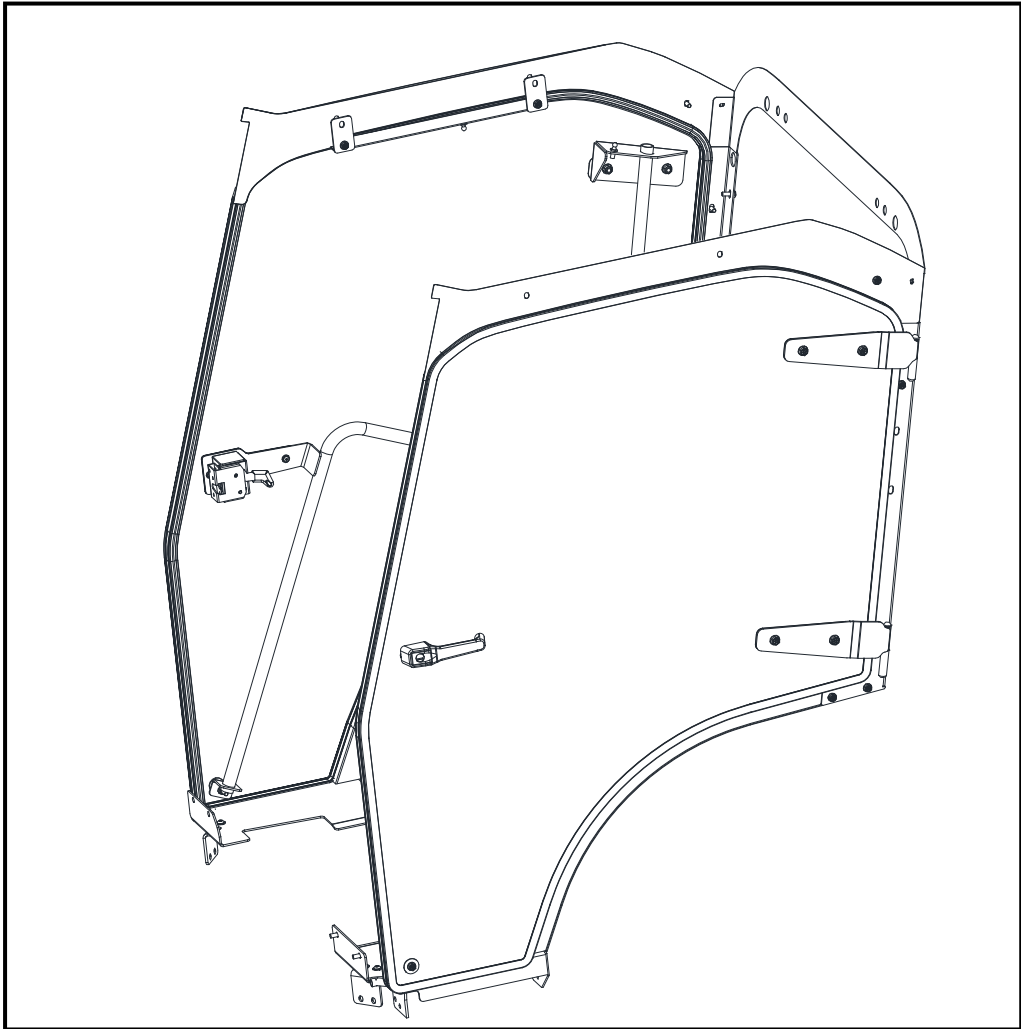
**YANMAR SA-424  
GLASS DOOR KIT  
P/N: 1CYSA4GD  
FITS SA-424 TRACTORS WITH 4 POST ROPS**

The contents of this envelope are the property of the owner.  
Be sure to leave with the owner when installation is complete.

APPROXIMATE INSTALLATION TIME: 1 HOUR  
(excluding accessories)

**IMPORTANT!**  
**CAB COMPONENT ORDER OF INSTALLATION:**

1. 1CYSA4WS	Windshield
2. 1CYSA4GD	Doors
3. 1CYSA4RP	Rear Panel



(revised: 7/28/2015)



## NOTICE

Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product brochures. Deduct the accessory's total weight from the vehicle's rated capacity and never exceed the vehicle's rated capacity including driver and passenger.



**WARNING** *Exposure to Carbon Monoxide can Cause illness, serious injury or death. Never operate vehicle if suspicious of Carbon Monoxide. Inspect exhaust system for leaks monthly. Leaks can result from loose connections, corrosion, cracks or other damage to the exhaust manifold. If leaks are found, repair or replace exhaust system. Do not use vehicle until repair or replacement is complete.*

## WARNING

### Serious Injury or Death



This cab enclosure does not provide protection from rollover or other accidents.



This cab enclosure does not provide protection from flying objects including golf balls.



This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.

## BEFORE YOU START

### HELPFUL REMINDERS:

- Refer to parts diagram at the back of this manual to help identify parts during the assembly process.
- To assist with the door installation, leave all bolts loose for later adjustment unless otherwise specified.
- Read and understand all instructions before beginning.
- Apply a clear silicone sealant to seal any minor gaps that may occur due to vehicle variations.
- Use caution to avoid damaging the factory installed threaded inserts. Begin the bolt engagement by hand to guard against potential cross threading.

### TOOLS REQUIRED:

Set of standard and metric sockets  
Set of standard and metric open end wrenches

Set of Allen wrenches  
Scissors

## CAB INSTALLATION

### STEP 1: VEHICLE PREP

1.1 Per, Figure 1.1, remove canopy by removing four bolts between mounting brackets and plastic canopy and removing the four bolts between the mounting brackets and the ROPS. Retain hardware for reuse.

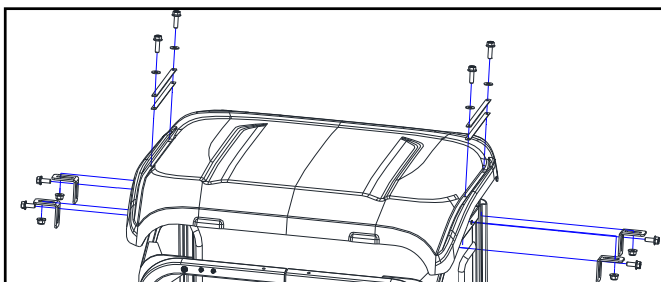


Fig. 1.1

1.2 Remove step from vehicle, retain for reuse.

1.3 Disconnect and remove rear signal lights by unbolting each from the brackets and gently pulling the loomed wires out from the rear ROPS tube and disconnecting the two (2) bullet terminals, retain for later use.

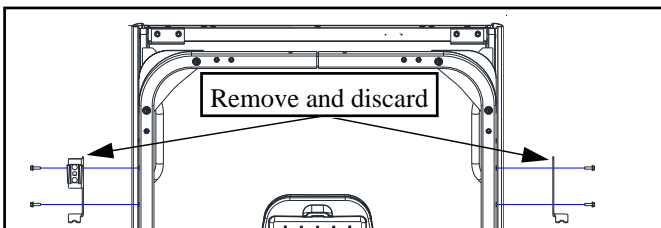


Fig. 1.4

1.4 Remove and discard factory installed rear light, SMV and two (2) rear canopy support brackets.

### STEP 2: DOOR HEADERS

2.1 Apply 2 strips of weather seal to ROPS tube, one above the threaded inserts and one below, per Figure 2.1. Begin by doing a dry fit to get a feel for where header comes in contact with the ROPS tube. Make sure the areas where the weather seal will be applied are clean and dry and at room temperature for best adhesion.

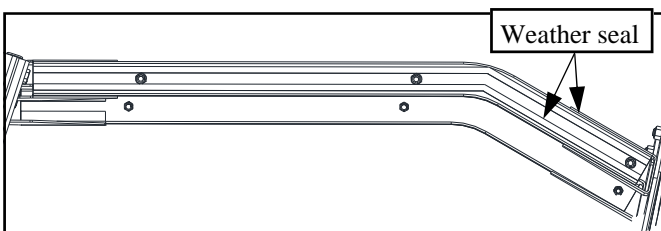


Fig. 2.1

## STEP 2 CONTINUED

2.2 Per Figure 2.2, fasten the left door header and two (2) door header mounting brackets to the ROPS using the factory installed inserts and the hardware listed below. **Leave loose at this time.**

### Qty. Hardware Type

3	5/16-18 x 3/4" Flange Bolt
2	5/16-18 x 1-3/4" Flange Bolt
2	5/16-18 Flange Lock Nut

**Note: Use caution to avoid damaging the factory installed threaded inserts on the ROPS. Begin the bolt engagement by hand to guard against potential cross-threading.**

2.3 Repeat for right door header.

## STEP 3: UPPER REAR PANEL

3.1 Per Figure 3.1, fasten the upper rear panel to the inside of the door headers using the hardware listed below. **Install finger tight at this time.**

### Qty. Hardware Type

2	#10-32 x 1/2" Flange Cap Screw
2	#10-32 Flange Lock Nut

## STEP 4: HINGE PLATES

4.1 Per Figure 4.1, fasten the left hinge plate to the ROPS using the factory installed inserts and hardware listed below. **Install finger tight at this time.**

### Qty. Hardware Type

3	5/16-18 x 3/4" Flange Bolt
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4.2 Per Figure 4.2 (on next page), fasten the supplied left rear light bracket and SMV bracket to the ROPS using the factory installed inserts and previously removed hardware.

4.3 Repeat for right rear light bracket and right hinge plate.

4.4 Reconnect signal light bullet terminals, fasten lights to brackets and gently replace loomed wire into rear ROPS tube.

4.5 Apply grease and add brass hinge washers to each of the four (4) hinges.

4.6 Adjust hinge plates so as to ensure no overlap with the door headers or upper rear panel and tighten all hardware at this time.

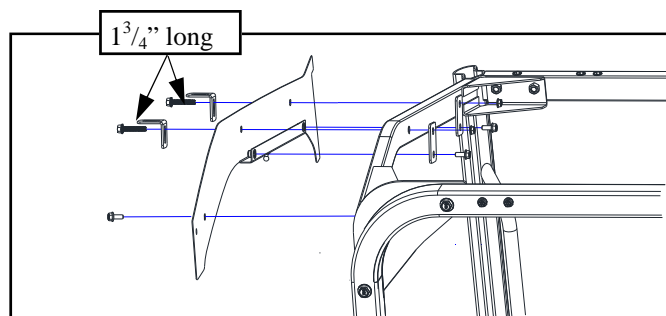


Fig. 2.2

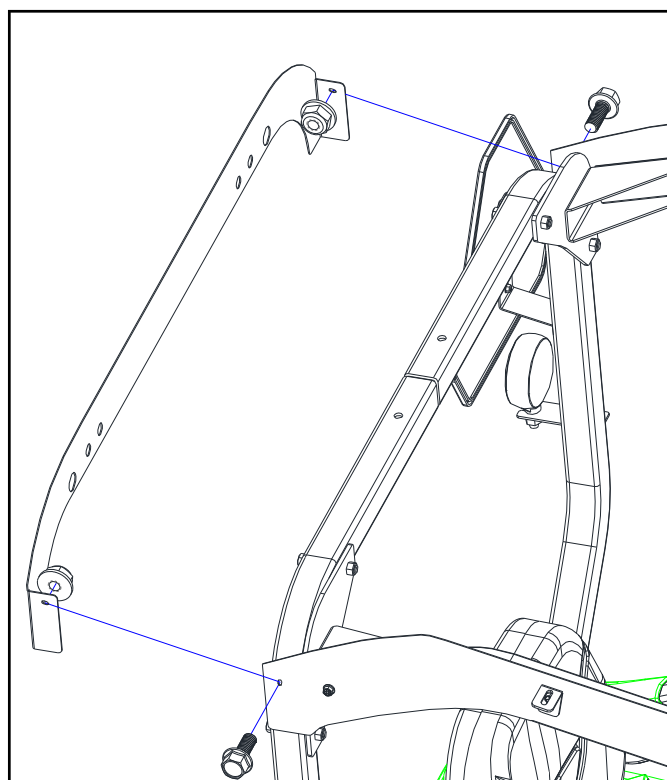


Fig. 3.1

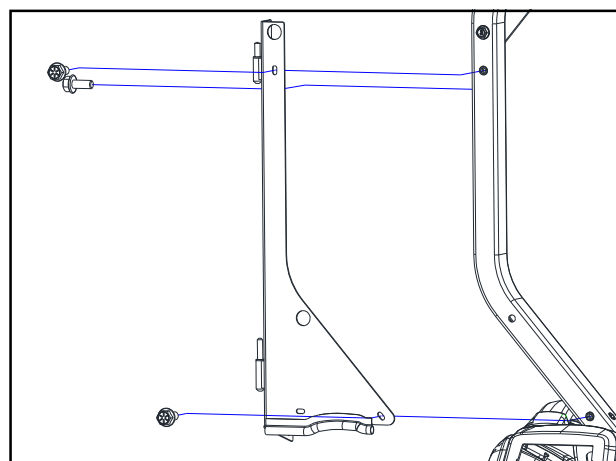


Fig. 4.1

## STEP 5: CONTOURS

5.1 Per Figure 5.1, fasten the left contour to the hinge plate using the factory installed inserts and hardware listed below. **Install finger tight at this time.**

**Qty. Hardware Type**

- |   |                            |
|---|----------------------------|
| 3 | 5/16-18 x 3/4" Flange Bolt |
| 1 | 5/16-18 Flange Lock Nut    |

5.2 Per Figure 5.2 (shown in section view for clarity), fasten the left contour to the vehicle using the factory installed weld nuts and the hardware listed below. **Install finger tight at this time.**

**Qty. Hardware Type**

- |   |                            |
|---|----------------------------|
| 2 | 5/16-18 x 3/4" Flange Bolt |
| 2 | 5/16-18 Flange Lock Nut    |
| 2 | 1/4-20 x 1" Flange Bolt    |

5.3 Repeat steps 5.1 and 5.2 for right contour.

5.4 If windshield is installed, fasten contours to front legs at this time, using fasteners listed below.

**Qty. Hardware Type**

- |   |                            |
|---|----------------------------|
| 2 | 5/16-18 x 3/4" Flange Bolt |
| 2 | 5/16-18 Flange Lock Nut    |

5.5 Install the step onto the left floorboard, using the previously removed hardware.

5.6 If installing a rear panel kit, install it now and then return here to complete the door install.

5.7 Adjust contours so as to ensure a complete seal against the vehicle side fenders and tighten all hardware at this time.

## STEP 6: DOORS

6.1 With assistance, hold the left door perpendicular to the vehicle and lower the door hinge sleeves over the door hinge pins on the hinge plates, per Figure 6.1. **Note: If the hinge sleeves do not line up with hinge pins, loosen factory installed door hinge sleeves until fasteners are finger tight, then repeat this step, aligning the sleeves to pins as necessary.**

6.2 Gently work the doors back and forth until the door hinge sleeves are completely seated onto the previously installed brass hinge pin washers.

6.3 Per Figure 6.3 (on next page), open the door to slightly less than 90° and install the gas shocks so that the piston rod is towards the door for best, continuous seal lubrication and longest gas shock life.

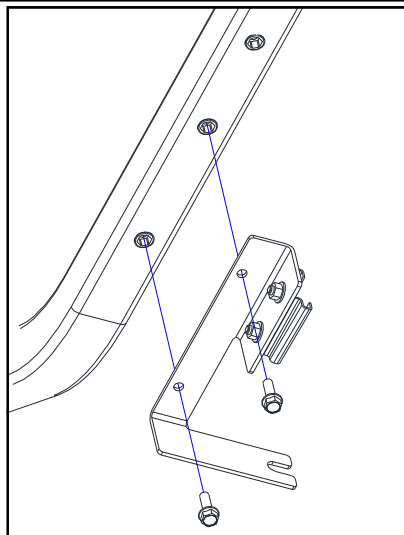


Fig. 4.2

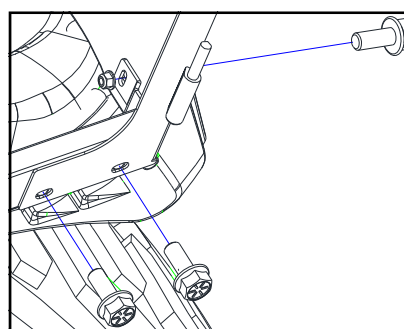


Fig. 5.1

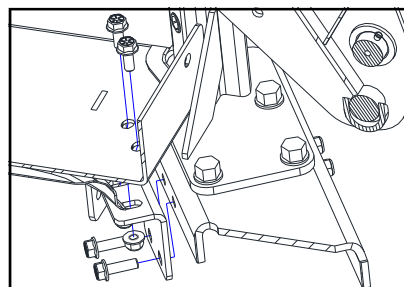


Fig. 5.2

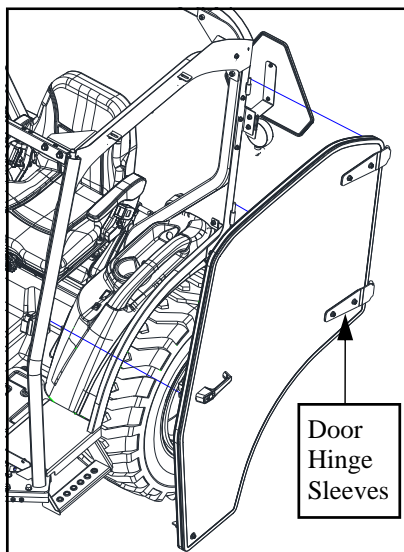


Fig. 6.1

6.4 Gently close the door, lifting on the door handle if necessary, to allow the latch to lock around the striker pin. **Note: the strikers are included in the windshield kit.**

6.5 The doors should “double click” for full engagement and proper sealing. If necessary, adjust in the following order;

- Adjust the striker pin vertically
- Adjust the latch horizontally
- Adjust the door hinge sleeves horizontally

NOTE: before re-tightening door hinge sleeves to 10 ft.-lbs., double check that the bulb rubber on the sheet metal door skin is fully pressed on near the door hinges and especially at the start and stop seam of the bulb rubber.

6.6 Once door is properly adjusted, tighten all remaining loose hardware and use grease to lubricate the door striker pin and door latch assembly.

6.7 Repeat for right door

### **STEP 7: SEALING RUBBER**

7.1 Starting at the center of the upper rear panel, install 1” round bulb around top edge of upper rear panel, windshield support and door headers, as shown in Figure 7.1. **Note: If difficult to install around corners, open grip up with a screwdriver and then install to corner.**

7.2 Align top of mounting brackets with bottom of seal grip on door header and tighten.

7.3 Unless installing the light kit, replace canopy using previously removed hardware. Ensure rubber completely seals against inside surface of canopy.

### **STEP 8: CARE AND MAINTENANCE**

8.1 Check and tighten hardware after 40 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit’s life.

8.2 Wash the painted surfaces of the unit with commercial automotive cleaning products.

8.3 Clean windows with glass cleaner.

8.4 Re-apply grease periodically as needed to all rotating components.



Fig. 6.3

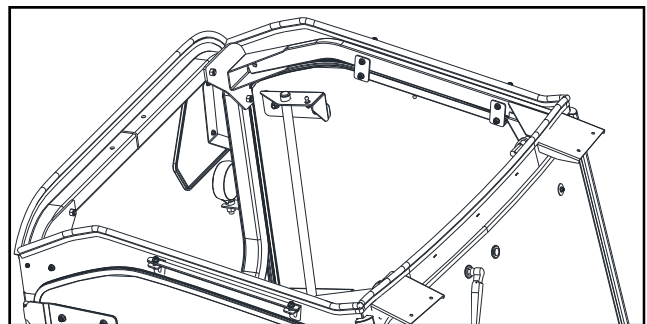
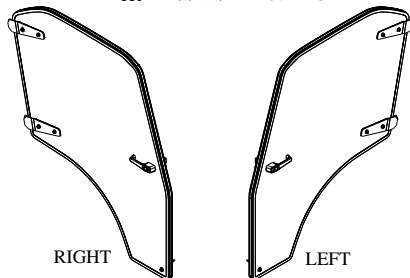


Fig. 7.1

## YANMAR SA-424 DOORS (p/n: 1CYSA4GD)

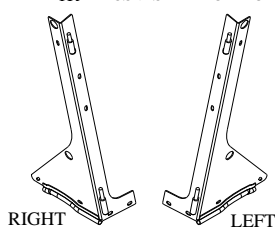
### DOORS

QTY:	P/N:
1L	8SV-SA42407L-B5
1R	8SV-SA42407R-B5



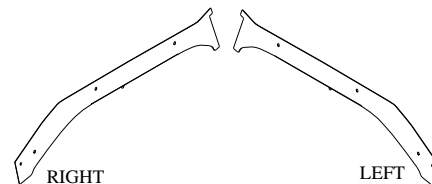
### HINGE PLATES

QTY:	P/N:
1L	8SV-SA42415L-B5
1R	8SV-SA42415R-B5



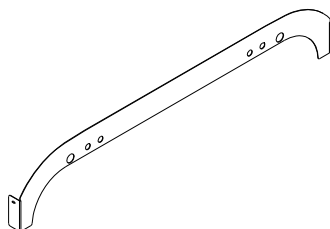
### DOOR HEADERS

QTY:	P/N:
1L	8SV-SA42410L-B5
1R	8SV-SA42410R-B5



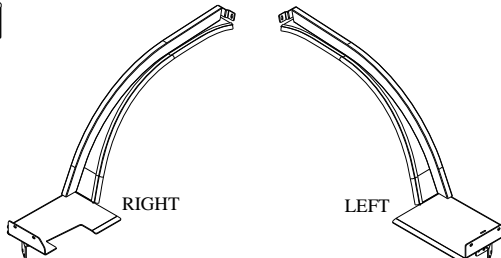
### UPPER REAR PANEL

QTY:	P/N:
1	8SV-SA424-20-B5



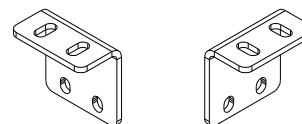
### FENDER CONTOURS

QTY:	P/N:
1L	8SV-SA42414L-B5
1R	8SV-SA42414R-B5



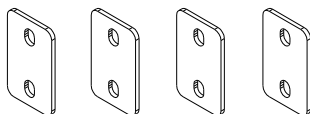
### FLOORBOARD MOUNTING BRACKET

QTY:	P/N:
2	8SV-SA42421-B5



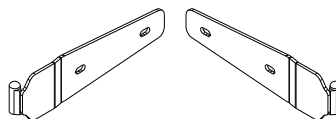
### DOOR HEADER MOUNTING BRACKET

QTY:	P/N:
4	8SV-SA42422-B5



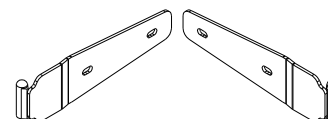
### UPPER DOOR HINGE SLEEVES

QTY:	P/N:
2	8SV-SA424UHS-B5



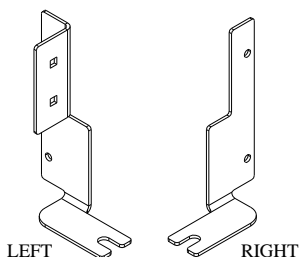
### LOWER DOOR HINGE SLEEVES

QTY:	P/N:
2	8SV-SA424LHS-B5



### TURN SIGNAL BRACKET

QTY:	P/N:
1L	8SV-SA42424L-B5
1R	8SV-SA42424R-B5



### ADDITIONAL SERVICE PARTS

QTY	P/N:	DESCRIPTION:
4	9SV-9PHW010-W	HINGE WELD ON WASHER
4	9SV-GS02A-4	BALL STUD, 10MM, BLACK ZINC, 5/16-18 THREAD
1L,1R	9SV-IHRL	INSIDE HANDLE ROTARY LATCH-LEFT AND RIGHT
4	9SV-DHRL-G	OUTSIDE HANDLE, ROTARY LATCH, GLASS DOOR
2	9SV-DSTR-2	STRIKER BOLT FOR ROTARY LATCH
1	9SV-GS04Q	GAS SPRING WITH QUICK RELEASE END (SET OF 2)

RUBBER TYPES:	1/2" WEATHER SEAL	5/8" REG. BULB	3/4" OFFSET SIDE BULB W/ LIF GRIP
	9SV-PR20-10	9SV-PR02-15	9SV-PR26-20