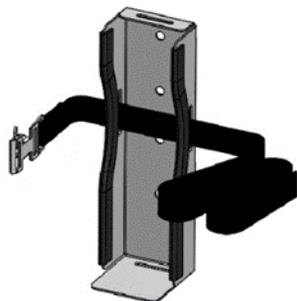
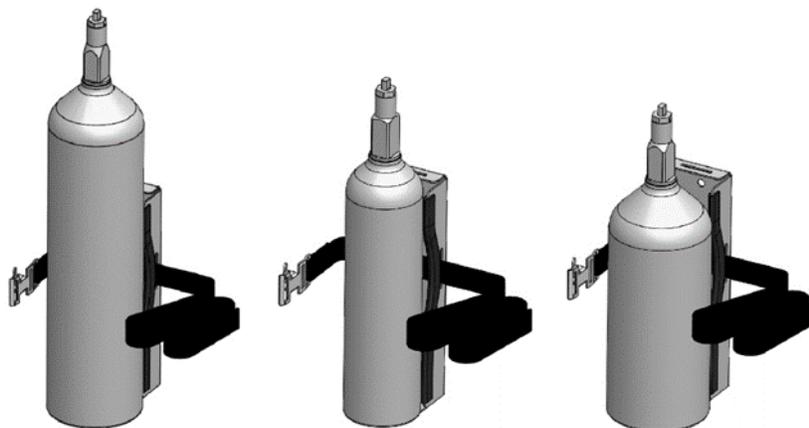


57971, CYLINDER HOLDER



PRODUCT WEIGHT
9 LBS

WIDTH x DEPTH x HEIGHT
3" x 3" x 14.3"



CAPACITY
VARIOUS

COLOR
GRAY

CATALOG NUMBER
57971

**EXAMPLES OF VARIOUS CYLINDER SIZES
MOUNTING POSITIONS: ON PARTITION, WALL OR
END PANEL**

PRODUCT FEATURES

The compressed gas cylinder holder is designed to accommodate cylinder sizes from 2-1/2" diameter up to 10" diameter and 22" tall maximum.

The cylinder holder securely holds gas cylinders in place for safe storage and transportation. The design holds the cylinders in the upright position and the edge trim and strap protect the cylinders from damage. Mounting/Installation options allow for mounting on end panels, partitions and other vertical surfaces.

This holder may also be combined with 57970 (tank holder assembly) to store larger compressed gas tanks.

SEE PAGE 2 FOR APPLICATION NOTES AND ACCESSORIES, OTHER PRODUCTS THAT WORK WITH THIS UNIT.



CATALOG NUMBER 57971

PRODUCT APPLICATION

This product is designed to be a universal product and is not vehicle or location specific.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

<i>CATALOG NUMBER</i>	<i>DESCRIPTION</i>
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57970	TANK HOLDER ASSEMBLY
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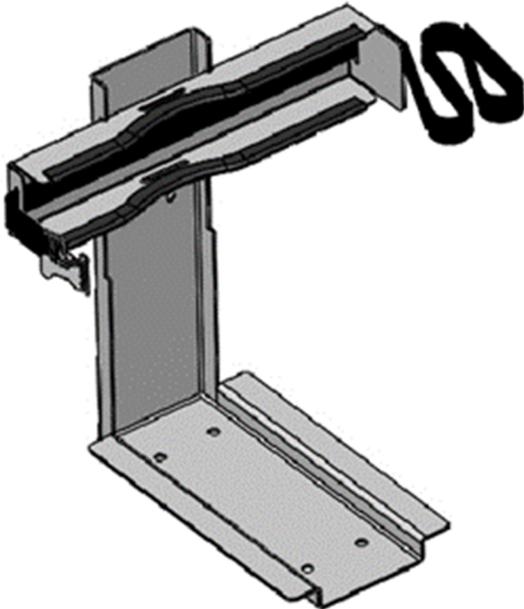
SPECIAL APPLICATION NOTES



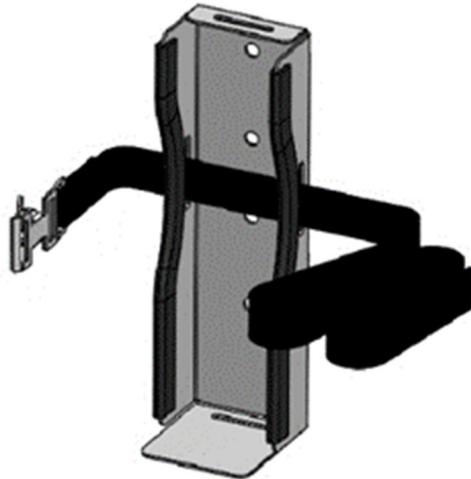
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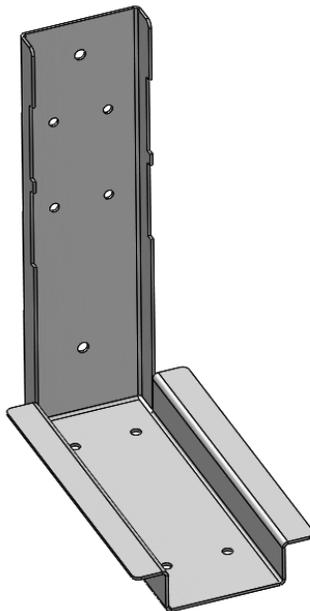
Assembly/Installation Instructions and Owners Manual



**57975
TANK HOLDER KIT**



**57971
CYLINDER HOLDER ASSEMBLY**



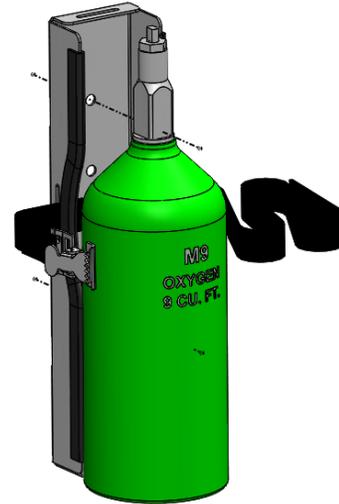
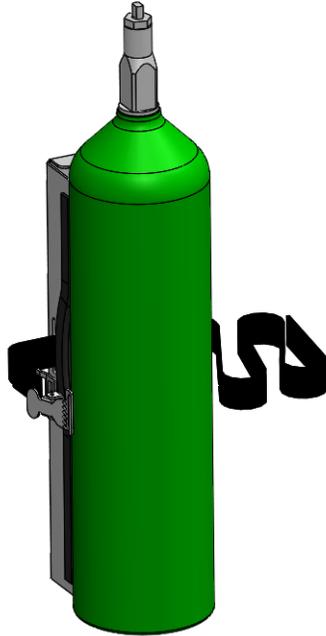
**57970
TANK HOLDER ASSEMBLY**



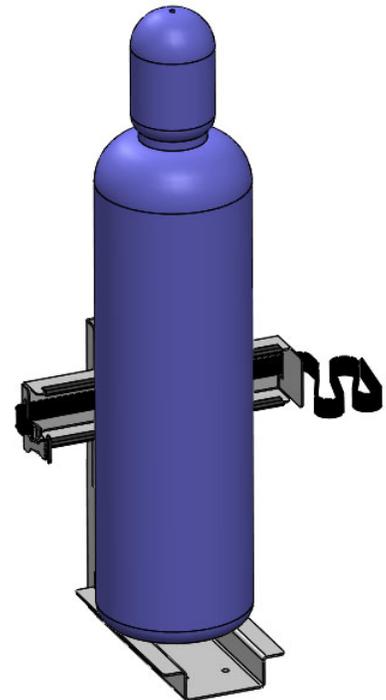
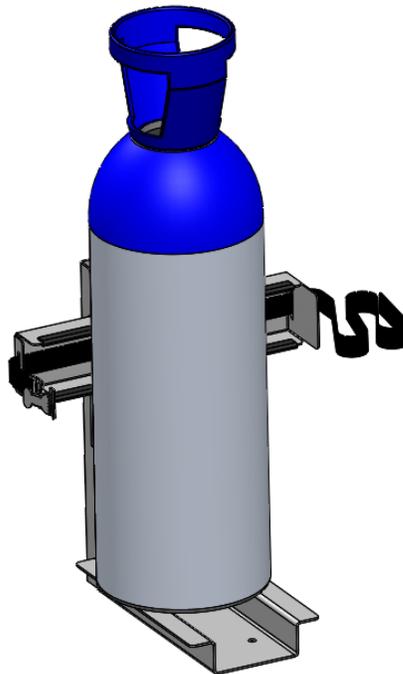
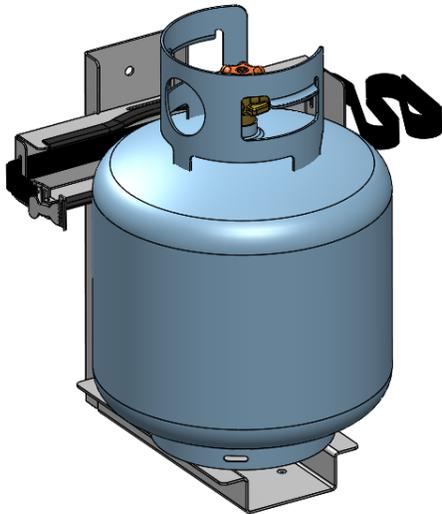
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TANK AND CYLINDER CONFIGURATIONS



FOR SMALL OXYGEN OR ACETYLENE CYLINDERS USE 57971 TO MOUNT TO AN END PANEL, PARTITION PANEL OR OTHER SUPPORTIVE VERTICAL SURFACES.



FOR LARGER FREON, PROPANE OR ACETYLENE CYLINDERS USE 57975 TO MOUNT TO THE VEHICLE FLOOR OR OTHER SUPPORTIVE HORIZONTAL SURFACES.

- PRECAUTIONS -



 **CAUTION** 
**THE USE AIR IMPACT TOOLS CAN
OVER-TORQUE FASTENERS AND
CAUSE FASTENER FAILURE!**



 **CAUTION** 
**ALL INSTALLATION HOLES SHOULD BE SEALED
WITH SILICON OR BUTYL SEALANT TO PREVENT
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



 **DANGER** 
**INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH
VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO
DRILLING TO AVOID DAMAGING CRITICAL VEHICLE SYSTEMS
OR INJURY TO INSTALLER DURING INSTALLATION PROCESS!**



 **CAUTION** 
**TO AVOID DAMAGING THE VEHICLE ALWAYS
USE DRILL STOPS WHEN DRILLING ANY IN-
STALLATION HOLES!**



- IMPORTANT WARRANTY REQUIREMENTS -

1. SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
2. ALL HOLES DRILLED INTO VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE.
3. ALL FASTENERS USED IN THE INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE TORQUE(S) SPECIFIED IN THESE INSTRUCTIONS.
4. THESE INSTRUCTIONS SHOULD BE KEPT WITH THE VEHICLE.

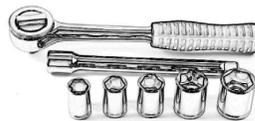
THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH
STOP



RATCHET, SOCKETS
AND/OR WRENCHES



SCREWDRIVERS

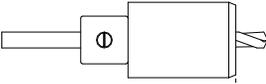


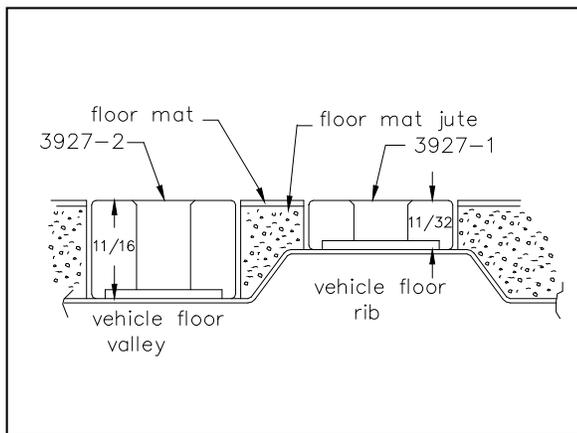
MEASURING TAPE

ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.



WHEN INSTALLING PLUSNUTS MAKE SURE YOU USE THE CORRECT DRILL BIT WITH A STOP!

PLUSNUT SIZE	DRILL BIT SIZE
1/4-20 PLUSNUT, FAS0052	USE A 3/8" DIAMETER DRILL BIT WITH A STOP.
5/16-18 PLUSNUT, FAS0091	USE A 1/2" DIAMETER DRILL BIT WITH A STOP.
 OR  NOTE: A PLUSNUT SETTING TOOL IS REQUIRED FOR PLUSNUT INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL (P.N. 22200-0) OR USE AN AIR POWERED PLUSNUT SETTING GUN.	
NOTE: If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations using a 1-3/16" carpet cutter.	1-3/16" DIAMETER CARPET CUTTER P.N. 31183-0. 

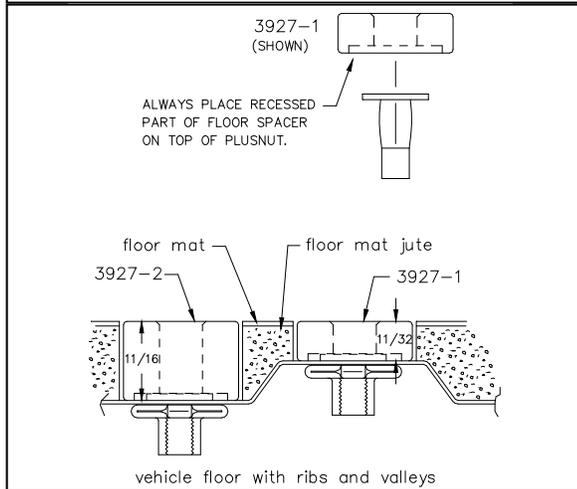


Step 01
Optional Based on Vehicle

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations. (if not, skip to **STEP 02**)

Position the product to be installed into the vehicle and once you are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter. Select the appropriate floor spacers as shown in the illustration to the left. Set those aside for use later into the installation process.

Once you have prepared the carpet/floor mat for mounting, proceed to **STEP 02**.

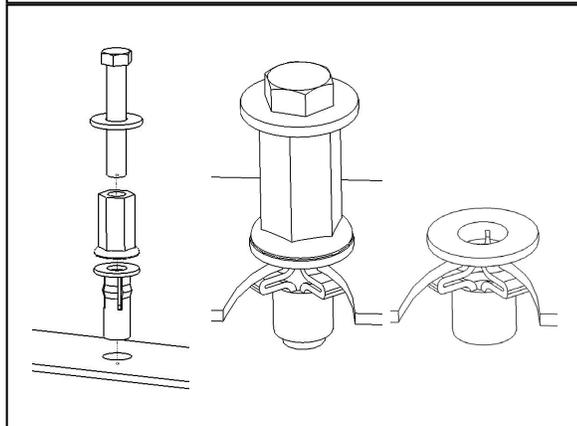


Step 02
Prepare Mounting Locations

Using a drill and drill bit (see table at top of page for correct size) drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.

If you are thru-bolting at any of the locations simply drill a hole that is 1/16" larger than the bolt size(s) for those locations.

Once you have drilled the holes into the vehicle, the raw metal edges should be sealed using a self-etching primer to resist corrosion and potential fastener point failure.



Step 03
Setting Plusnuts

Use an Air Powered Plusnut Setting Gun to "set the plusnut" or if installing manually with hand tools, assembly the following.

- 1/4-20UNC Plusnut (FAS0052)
- FAS0080 SCREW, HXHD, 1/4-20UNCx2.00, G8
- FAS0067 WASHER, FLAT, 1/4"ID
- 22200-0 PLUSNUT TOOL
- 5/16-18UNC Plusnut (FAS0091)
- FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8
- FAS0086 WASHER, FLAT, 5/16"ID
- 22200-0 PLUSNUT TOOL

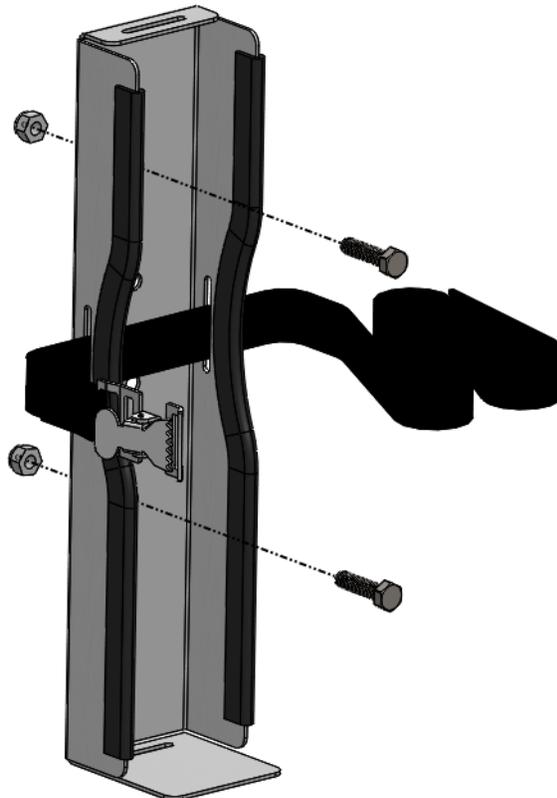
Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

Remove hex bolt, washer, and plusnut. Inspect installation.

PARTS YOU WILL USE FOR STEP 01a	DRILL/DRIVER	1/2" SOCKET	FAS0830 5/16 X 1-1/4 HEX BOLT (2) EACH	FAS0248 5/16-18 NYLOCK NUT (2) EACH
				

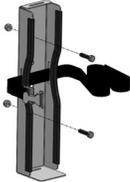
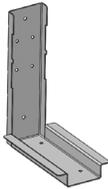
Instructions for Step 01a for 57971



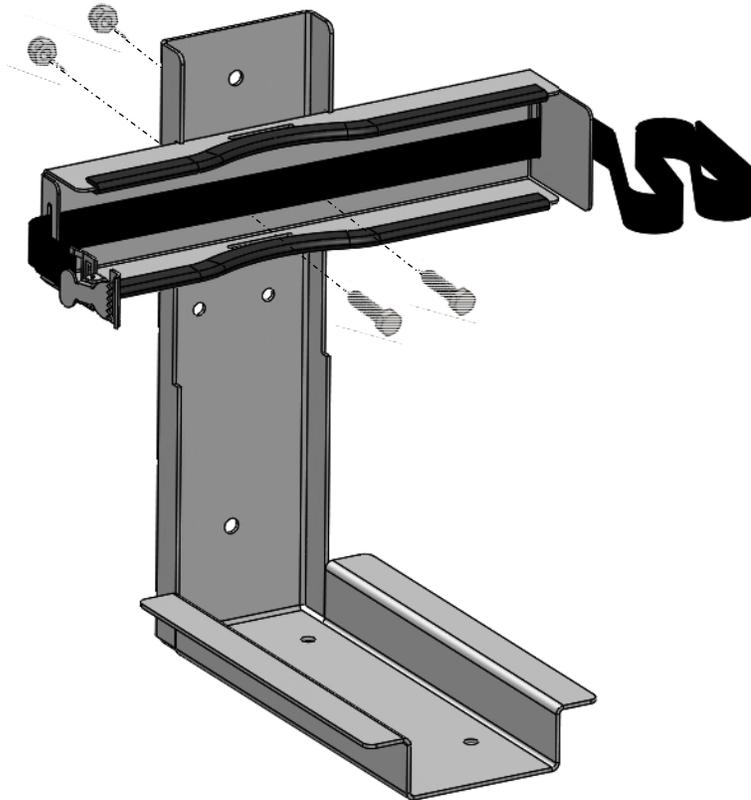
LOCATE THE LOCATION FOR MOUNTING THE CYLINDER HOLDER TO A FLAT VERTICAL SURFACE SUCH AS AN END PANEL, PARTITION PANEL OR OTHER SUPPORTIVE VERTICAL SURFACE.

TRANSFER THE TWO MOUNTING HOLE LOCATIONS FROM THE CYLINDER HOLDER TO THE MOUNTING SURFACE AND DRILL TWO 5/16" CLEARANCE HOLES. BOLT THE MOUNTING BRACKET USING THE ABOVE LISTED FASTENERS AND SECURE.

USE THE INCLUDED STRAP TO SECURE YOUR CYLINDERS WHEN TRANSPORTING.

PARTS YOU WILL USE FOR STEP 01b	57971 CYLINDER HOLDER	57970 TANK HOLDER	DRILL/DRIVER	1/2" SOCKET
				
	1/2" BOX WRENCH	FAS0248 5/16-18 NYLOCK NUT (2) EACH	FAS0830 5/16 X 1-1/4 HEX BOLT (2) EACH	
				

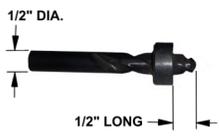
Instructions for Step 01b for 57975



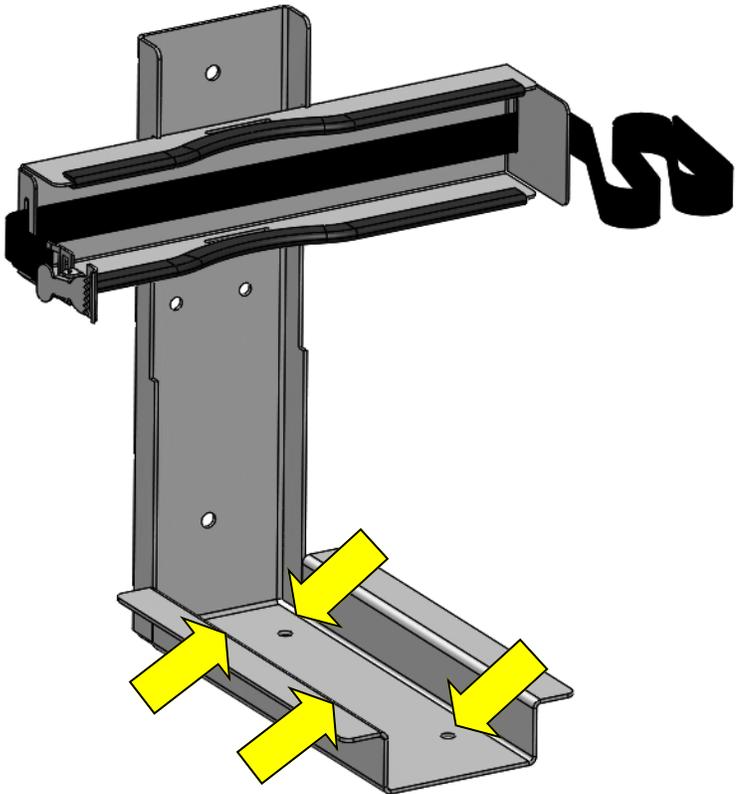
POSITION 57971 AND 57975 AS SHOWN AND FASTEN TOGETHER AS SHOWN USING THE ABOVE LISTED FASTENERS.

57971 CAN BE MOUNTED IN EITHER OF TWO POSITIONS DEPENDING ON THE HEIGHT OF THE TANK YOUR ARE GOING TO STORE/TRANSPORT.

INSERT THE STRAP AS SHOWN.

PARTS YOU WILL USE FOR STEP 02b	1/2" DRILL BIT WITH STOP	DRILL	PLUSNUT SETTING GUN	SELF ETCHING PRIMER
				
	CENTER PUNCH OR PAINT MARKER	FAS0091 PLUSNUT (4) EACH		
				

Instructions for Step 02B for 57975

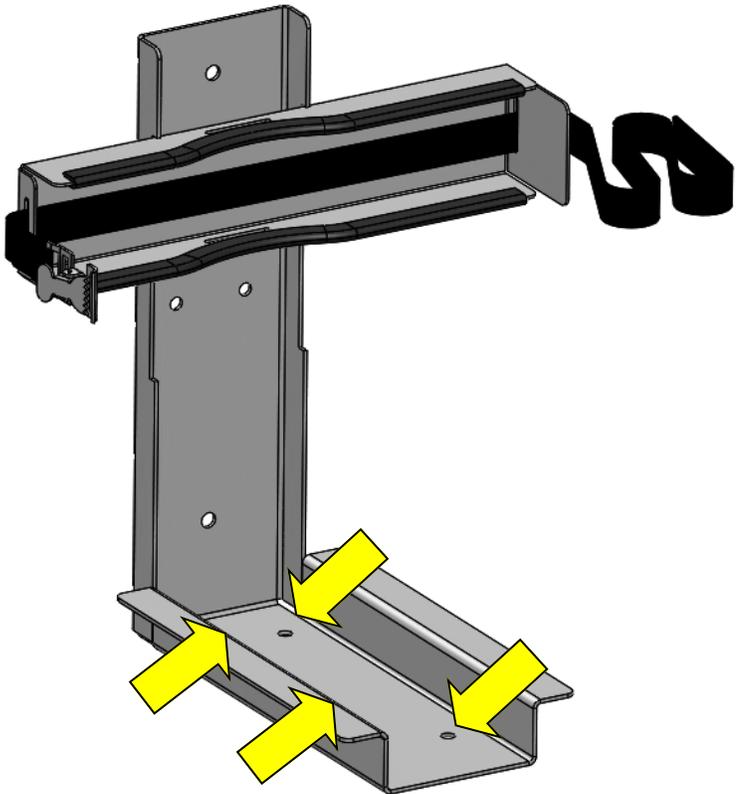


POSITION THE TANK HOLDER IN THE DESIRED LOCATION AND MARK ALL FOUR MOUNTING HOLE LOCATIONS. MARK THE LOCATIONS AND THEN DRILL ALL FOUR HOLES USING A 1/2" DRILL BIT WITH STOP.

APPLY SELF ETCHING PRIMER TO THE HOLES EDGES AND INSTALL THE PLUSNUTS (SEE PAGE 4 FOR INSTRUCTIONS).

PARTS YOU WILL USE FOR STEP 02c	DRILL/DRIVER	1/2" SOCKET	03921-1 & -2 SPACERS OPTIONAL (2) EACH	FAS0092 5/16-18 X 1.5 HEX BOLT (4) EACH
				
	FAS0098 5/16" LOCKWASHER (4) EACH	FAS0086 5/16" FLAT WASHER (4) EACH		
				

Instructions for Step 02c for 57975



POSITION THE TANK HOLDER IN THE DESIRED LOCATION AND INSTALL THE ABOVE LISTED FASTENERS AND SECURE USING 1/2" SOCKET AND DRILL/DRIVER..

USE THE INCLUDED STRAP TO SECURE THE TANK THAT YOU ARE STORING/TRANSPORTING.