

TUBE HOLDER KIT

PRODUCT WEIGHT 32 LBS

WIDTH x DEPTH x HEIGHT

56" x 8" x 24"

CAPACITY

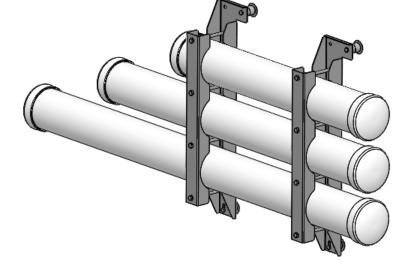
25 LBS PER TUBE

COLOR

GRAY

CATALOG NUMBER

70-5



PRODUCT FEATURES

This tube holder kit is intended to attach to your installed partition, but can be installed to other product in your interior. Position assembly in the desired location and attach per the installation instructions.

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



CATALOG NUMBER 70-5

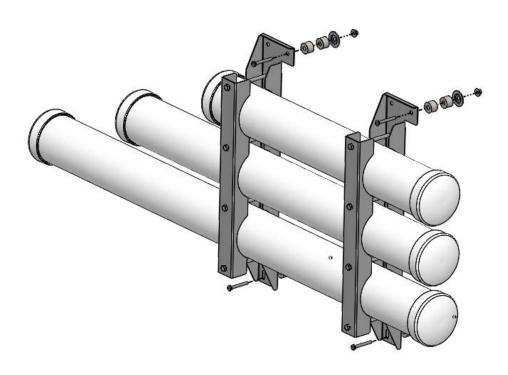
PRODUCT APPLICATION

This product is designed to secure customer product in PVC tubing within the cargo area.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT
CATALOG NUMBER DESCRIPTION

SPECIAL APPLICATION NOTES





70-5

TUBE HOLDER KIT

- 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** DRILLINGTO 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

RATCHET, SOCKETS AND/OR WRENCHES

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.
	•



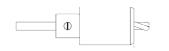
OR

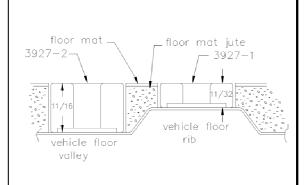


NOTE: A PLUSNUT SETTING TOOL IS REQUIRED FOR PLUSNUT INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL (P.N. 22200-0)OR USE AN AIR POWERED PLUSNUT SETTING GUN.

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

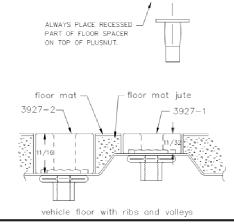
01

Optional

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 your 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 aaside for use later into the installation process.

Once you have prepared the carpet/floor mat for



3927-1 (SHOWN)

Step

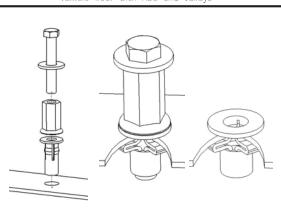
02

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 a 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.

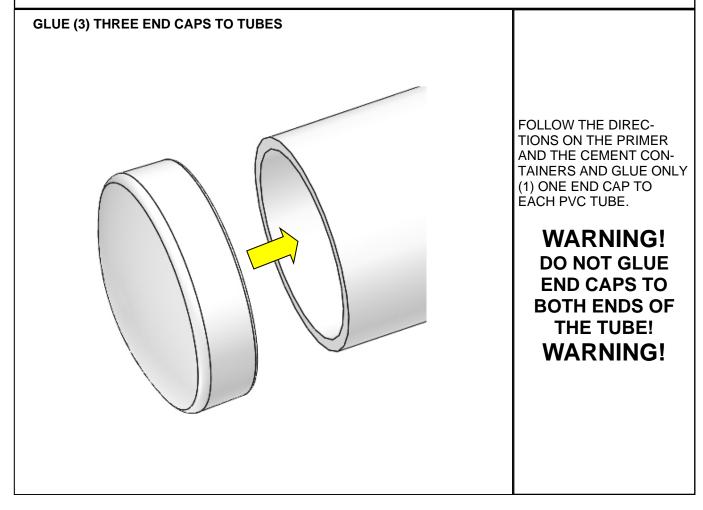
Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

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



PARTS YOU WILL	51702, 51703 & 51704 PVC TUBES (1) EACH	08989-0 PVC 4" END CAP #40 (3) EACH	34015-0 PVC PRIMER/SOLV 4 oz	34016-0 PVC CEMENT 4 oz
USE FOR STEP			Catey In Figure 1 or Figure 2	Gatey Carlot No.
01				

Instructions for Step 01



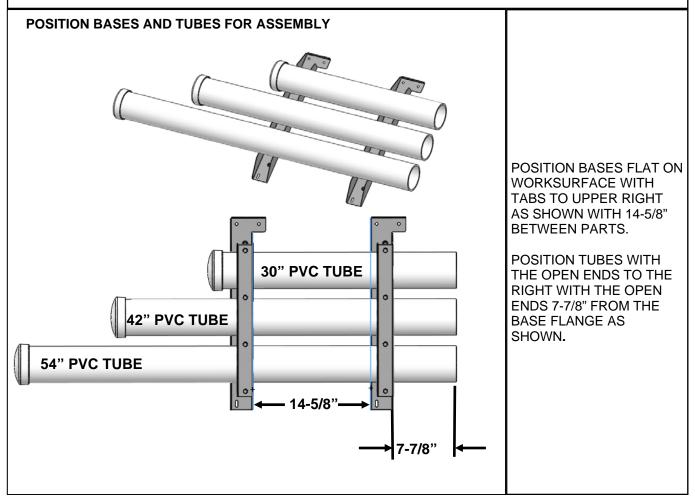


PARTS YOU WILL USE FOR STEP 02	08989-0 PVC 4" END CAP #40 (3) EACH	3/4" HOLE SAW		
	TER HOLES INTO (3) T		INTO THE EACH OF	ONE 3/4" HOLE CENTER OF THE THREE RE- END CAPS AS



PARTS YOU WILL	PVC TUBE ASSEM- BLIES FROM PREVI- OUS STEP	51911-G TUBE HOLDER BASE ASSM. (2) EACH.	MEARSURING TAPE	
USE FOR STEP			Power	
03				

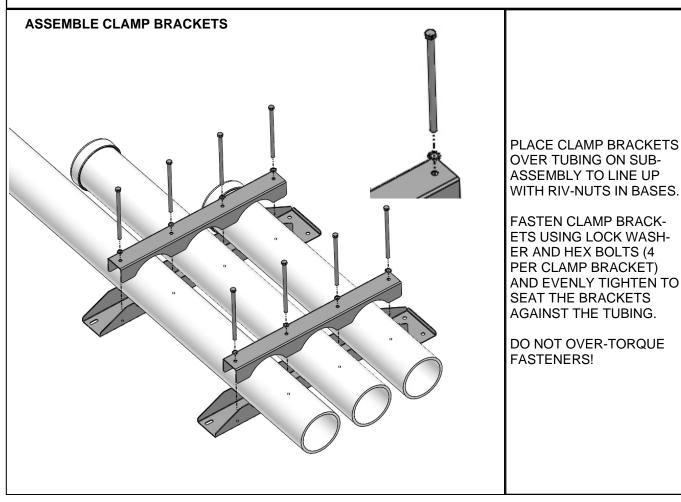
Instructions for Step 03





PARTS YOU WILL	SUB-ASSEMBLY FROM PREVIOUS STEP.	51912-G TUBE HOLDER CLAMP BRACKET (2) EACH	FAS0276 5/16x 6" HH SCREW (8) EACH	FAS0085 5/16" LOCK WASHER (8) EACH
USE FOR STEP				
04	DRILL/DRIVER	1/2" SOCKET		
	TESS			

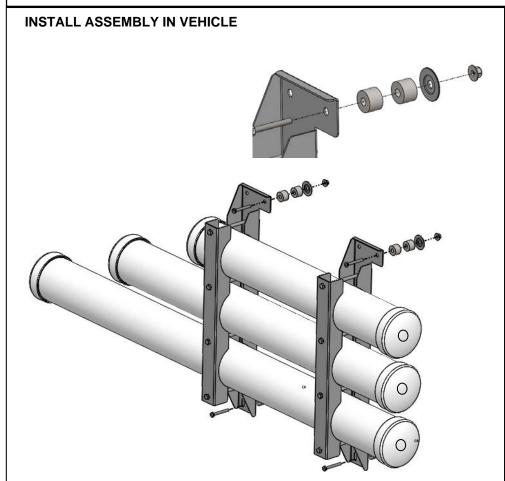
Instructions for Step 04





PARTS YOU WILL	SUB-ASSEMBLY FROM PREVIOUS STEP.	03927-2 SPACER (8) EACH	FAS0080 1/4 x 2" HH SCREW (4) EACH	FAS0833 CUP WASHER (4) EACH
USE FOR STEP				
05	FAS0055 1/4" FLANGE LOCK NUT (4) EACH	DRILL/DRIVER & 7/16" SOCKET	DRILLED END CAPS FROM STEP #02 (3) EACH	7/16" BOX WRENCH
				2=0

Instructions for Step 05



POSITION ASSEMBLY IN DESIRED LOCATION (OR REFER TO PDS PACKAGE DRAWING FOR LOCATION DETAILS). FASTEN ASSEMBLY TO PARTITION, CABINET, END PANEL OR OTHER LOCATION USING THE ABOVE LISTED FASTENERS.

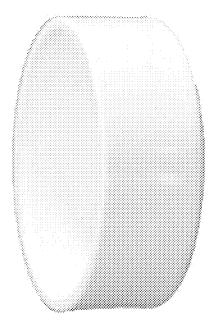
IF ATTACHING TO A PARTITION THE CUP WASHER AND FLANGE NUTS SHOULD BE ON THE CAB SIDE OF THE PARTITION.

APPLY DRILLED END CAPS TO THE OPEN ENDS AS SHOWN.

WARNING! DO-NOT-GLUE THE DRILLED END CAPS! WARNING!

YOUR ASSEMBLY IS NOW COMPLETE.

ITEM DESCRIPTION: 4" PVC END CAP SCH 40



MANUFACTURER: ANY

MANUFACTURERS PART NUMBER: ANY

SPECIFICATIONS: SCHEDULE 40

WHITE

FITS 4" PVC PIPE

SPECIAL NOTES: N/A

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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△CAUTION △

WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

DRAWN BY	DATE DRAWN	
BTS	06/13/11	
ECN NUMBER	ECN DATE	
13955	06/13/11	
PART WEIGHT	REV. LEVEL	
0.00 LBS.	3.0	
PART NUMBER		

08989-0

ITEM DESCRIPTION: CLEAR PVC CEMENT, 4oz



MANUFACTURER: HERCULES

MANUFACTURERS PART NUMBER: N/A

SPECIFICATIONS: For PVC Types I &II

DW & DWV/SW Pipe and Fittings

4 FL. OZ. (118 ml)

SPECIAL NOTES: NONE

SUPPLIED BY: THIS ITEM IS ADRIAN SUPPLIED!

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7	DRAWN BY	DATE DRAWN	
L	DCS	04-03-2007	
~	ECN NUMBER	ECN DATE	
L	10132	04-03-2007	
~	PART WEIGHT	REV. LEVEL	
Ĺ	0.25 LBS.	Α	
_	DACT NUMBER		

PART NUMBER

<u>34015-0</u>

ITEM DESCRIPTION: PVC PRIMER/SOLVENT, 4oz



MANUFACTURER: HERCULES

MANUFACTURERS PART NUMBER: N/A

SPECIFICATIONS: 4 FL. OZ. (118 ml)

SPECIAL NOTES: NONE

SUPPLIED BY: THIS ITEM IS ADRIAN SUPPLIED!

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DRAWN BY	DATE DRAWN		
DCS	04-03-2007		
ECN NUMBER	ECN DATE		
10132	04-03-2007		
PART WEIGHT	REV. LEVEL		
0.25 LBS.	Α		
DART N	DADT NUMBER		

34016-(