


FASTENER GROUPS LISTED BELOW ARE USED FOR ASSEMBLY AND INSTALLATION. **SOME ASSEMBLY DRILLING IS REQUIRED.** PARTITION INSTRUCTIONS & FASTENERS ARE WITH THAT UNIT. USE KD UNIT DRAWINGS TO IDENTIFY THEIR SEPARATE PARTS. CUSTOMER SPECIFIED SHELF DIMENSIONS ARE SHOWN HERE.

| SYM.                          | FASTENERS                         | QTY  | DRILL |
|-------------------------------|-----------------------------------|------|-------|
| <b>ASSEMBLY FASTENERS</b>     |                                   |      |       |
| ●                             | { 1/4-20 x 1/2" THP.SCW. (20) }   | (20) | 9/32  |
| ⊖                             | { 1/4-20 HX. FLANGE NUT (20) }    | (20) |       |
| ⊕                             | { 1/4 x 3/4 "A" THP. SCW. (16) }  | (16) | 3/16  |
| ⊗                             | { 1/4 EXT. TOOTH L'WASH (16) }    | (16) |       |
| <b>INSTALLATION FASTENERS</b> |                                   |      |       |
| ●                             | { 1/4-20 PLUSNUT "PB" (9) }       | (9)  |       |
| ⊖                             | { 1/4-20 x 1" HH.SCW.FT (9) }     | (9)  | 13/32 |
| ⊕                             | { 1/4 PLN WASH (9) }              | (9)  |       |
| ⊗                             | { 1/4 SPLIT RING L'WASHER (9) }   | (9)  |       |
| ●                             | { 1/4-20 PLUSNUT "PB" (4) }       | (4)  |       |
| ⊖                             | { 1/4-20 x 1-1/2" HH.SCW.FT (4) } | (4)  | 13/32 |
| ⊕                             | { 1/4 PLN WASH (4) }              | (4)  |       |
| ⊗                             | { 1/4 SPLIT RING L'WASHER (4) }   | (4)  |       |
| ●                             | { 1/4 PLN. WASHER (8) }           | (8)  |       |
| ⊖                             | { 1/4-20 HX.STOP NUT (4) }        | (4)  | 13/32 |
| ⊕                             | { 1/4-20 x 1-1/2" HH.SCW.FT (4) } | (4)  |       |
| ⊗                             | { 1/2 PLN. WASHER (4) }           | (4)  |       |

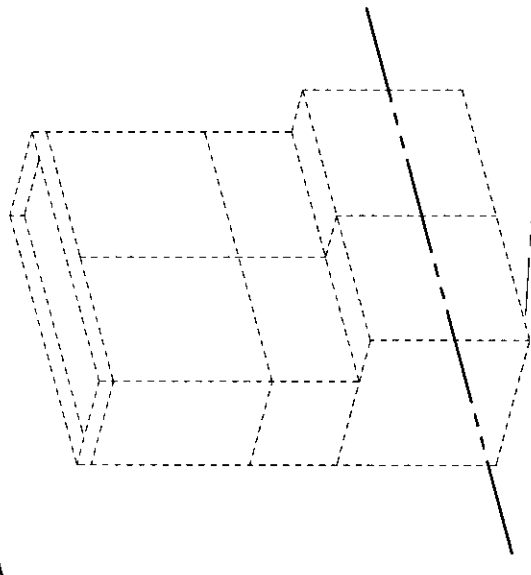
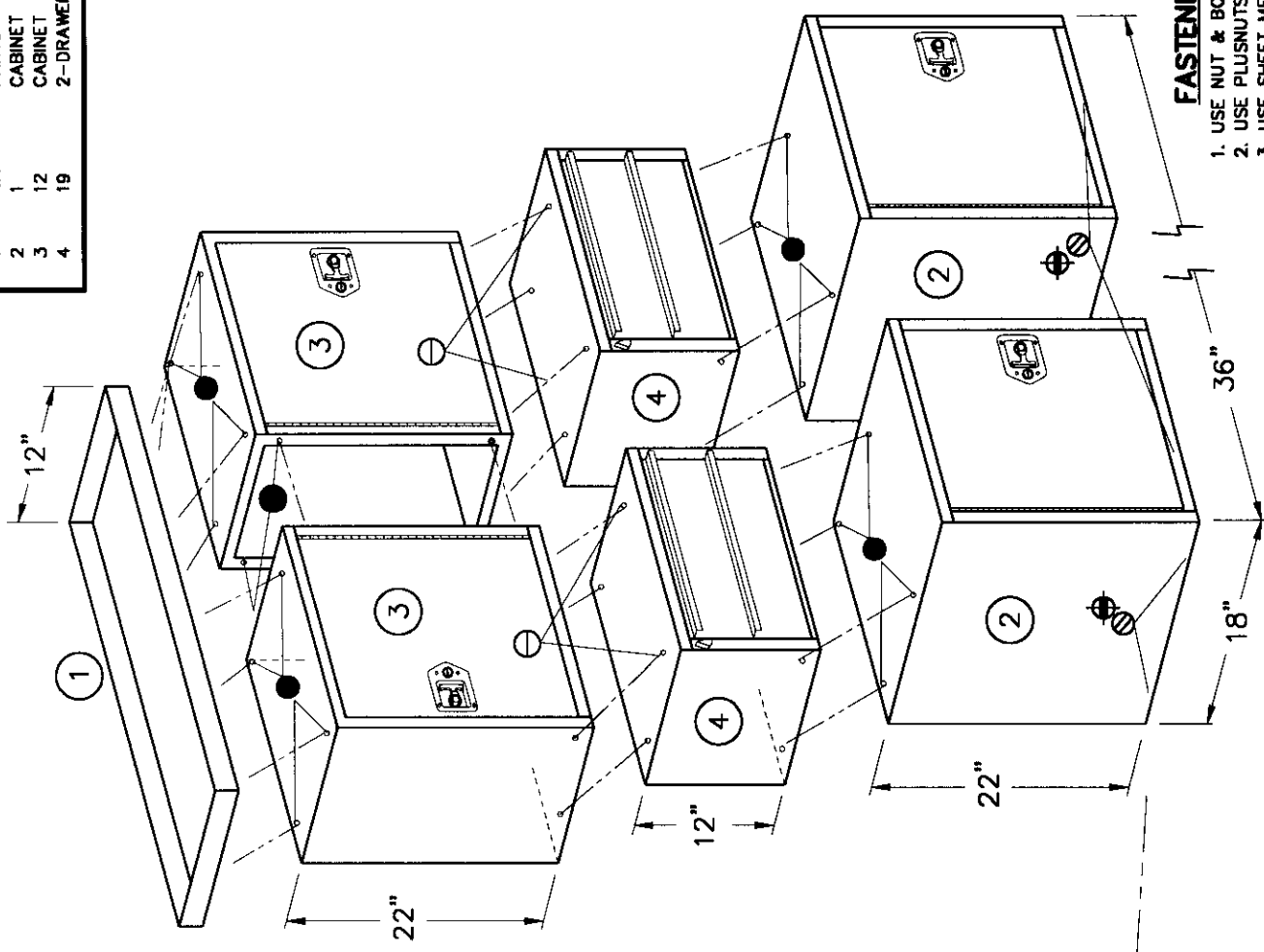


**ADRIAN STEEL CO.**  
908 JAMES STREET  
ADRIAN, MI 49221  
517/265-6194

MD701 DWR/CAB MOD

|                 |      |          |                      |           |      |
|-----------------|------|----------|----------------------|-----------|------|
| DWG BY          | ECN# | DATE     | CHK BY               | PACKAGE#  | ISS. |
| MAE             | 6071 | 6/27/02  | <i>[Signature]</i>   | S/L MD701 | A    |
| PACKAGE WEIGHT- |      | 167.55 # | REFERENCE: REF 24600 |           |      |
| HCG=            |      | 18       | VCG= 28              |           |      |

| ITEM | PART NO. | DESCRIPTION     | QTY. |
|------|----------|-----------------|------|
| 1    | 4A       | PARTS TRAY      | 1    |
| 2    | 1        | CABINET         | 2    |
| 3    | 12       | CABINET         | 2    |
| 4    | 19       | 2-DRAWER MEDIUM | 2    |



- FASTENING PROCEDURES**
1. USE NUT & BOLT THRU WHEREVER POSSIBLE.
  2. USE PLUSNUTS FOR BLIND FASTENING.
  3. USE SHEET METAL SCREWS IN SHEAR ONLY.

**CAUTION:**  
DRILL THRU FLOOR WITH CARE  
WATCH FOR GAS TANK, CONTROL  
LINES, & ELECTRICAL WIRING.

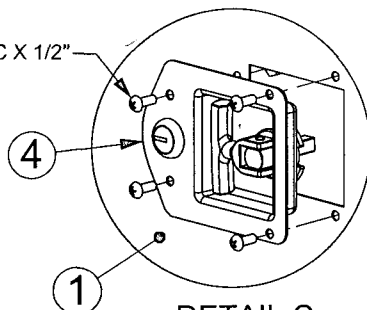
| ITEM NO. | PART NUMBER | DESCRIPTION               | QTY. |
|----------|-------------|---------------------------|------|
| 1        | 07060-0     | CABINET SUB-ASM (3857)    | 1    |
| 2        | 07088-0     | BOTTOM, #1 CABINET        | 1    |
| 3        | LOGO-SM     | .875"X3.0"ADRIAN STEEL LO | 1    |
| 4        | 21000-0     | Folding T-Handle          | 1    |
| 5        | 1A          | SHELF, #1 CABINET         | 1    |
| 6        | BAG0003-0   | #3 BAG FOR #1 CAB, #2 DWR | 1    |
| 7        | CRT03857-0  | CARTON #1 / SPECIAL PKG   | 1    |
| 8        | CRT03857-A  | CARTON, PAD FOR #1        | 1    |

REVISION  
LEVEL: D

Part  
Number: 1

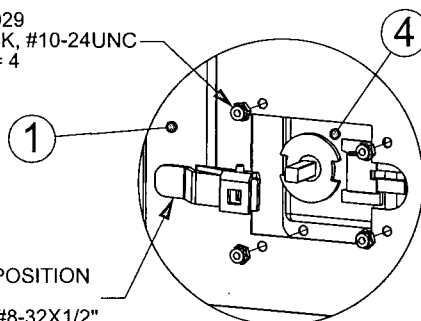
FOR REFERENCE ONLY!

FAS0021  
SCREW, RHP, #10-24UNC X 1/2"  
QTY = 4



DETAIL C  
SCALE 1 : 4

FAS0029  
NUT, NYLON LOCK, #10-24UNC  
QTY = 4



DETAIL D  
SCALE 1 : 4

LATCH PAWL, ADJUST POSITION  
AS REQ'D  
SECURE w/SETSCREW, #8-32X1/2"

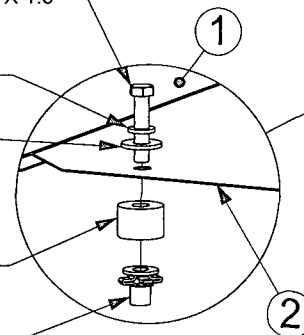
FAS0092  
SCREW, HH, 5/16-18UNC X 1.5"  
QTY = 4

FAS0098  
WASHER, LOCK, SPLIT, 5/16"ID  
QTY = 4

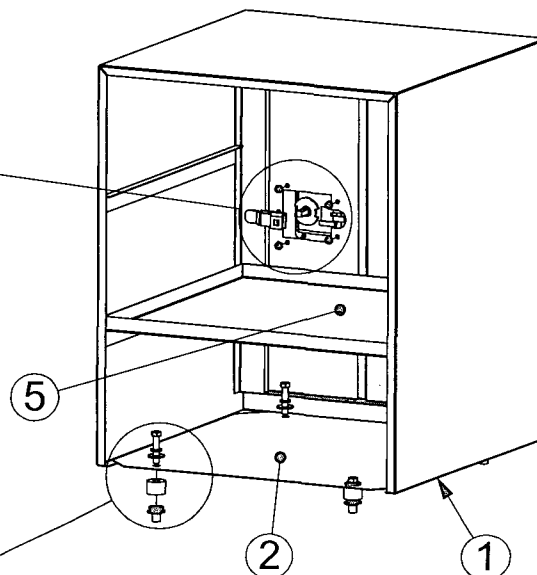
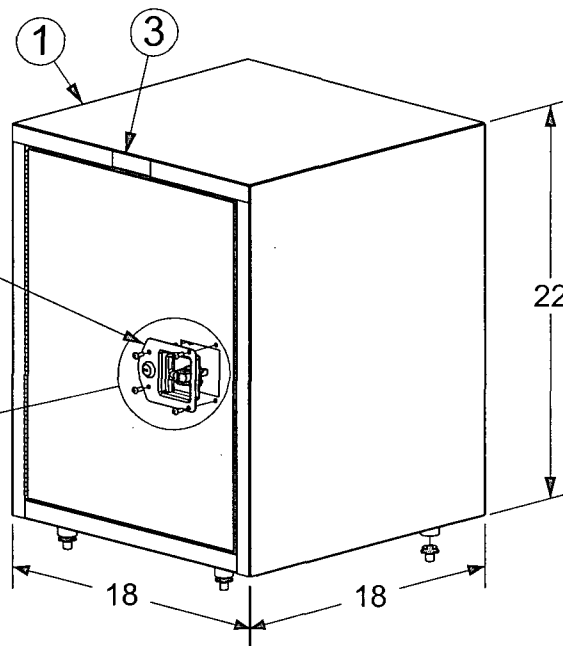
FAS0086  
WASHER, FLAT, 5/16"ID  
QTY = 4

03927-1 or 03927-2  
SPACER, C/F, FLOOR (11/32 or 11/16)  
QTY = 4

FAS0091  
PLUSNUT, 5/16-18UNC  
QTY = 4



DETAIL E  
SCALE 1 : 4



NOTES:

- 07088-0 "CABINET BOTTOM" SHIPPED LOOSE WITH 1A "SHELF, FOR #1 CAB."
- BACK PANEL OF CABINET NOT SHOWN IN VIEW SO THAT INSTALLATION HDW ARE VISIBLE.

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12-01-02  
Sheet 1 of 1

THIS PRODUCT IS SUBJECT TO CHANGE.  
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PRIOR NOTICE.

Shipping Wt. (Lbs.):

31.57

Coating/Finish:

GrayPwddct

Do Not Scale This Drawing!

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**ADRIAN STEEL**  
VAN AND PICKUP EQUIPMENT

906 James St.  
Adrian, MI 49221  
517.265.6194

Part Description: **CABINET, #1, 18"x22"x18"**

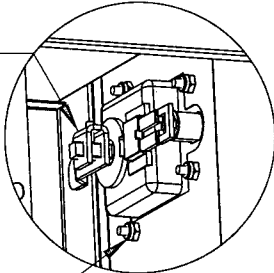
Part  
Number: 1

REVISION  
LEVEL:

D

| ITEM NO. | PART NUMBER | DESCRIPTION                        | 12/QTY. |
|----------|-------------|------------------------------------|---------|
| 1        | 10068-0     | CABINET SUB-ASM, #12, (3862)       | 1       |
| 2        | 21000-0     | Folding T-Handle                   | 1       |
| 3        | BAG0002-0   | #2 BAG FOR #12, 38, 43, 51, CBS #7 | 1       |
| 4        | CRT03862-0  | CARTON #12 / SPECIAL PKG           | 1       |
| 5        | CRT03862-A  | CARTON, PAD FOR #12                | 1       |
| 6        | 12B         | SHELF PANEL (#12 CABINET)          | 1       |

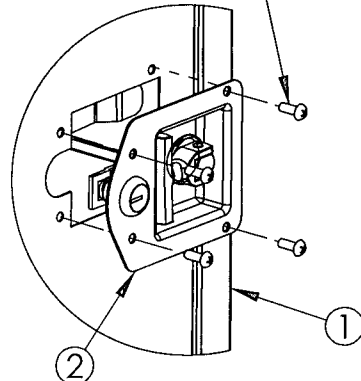
LATCH PAWL, ADJUST POSITION  
AS REQ'D  
SECURE w/SETSCREWW, #8-32x1/2"



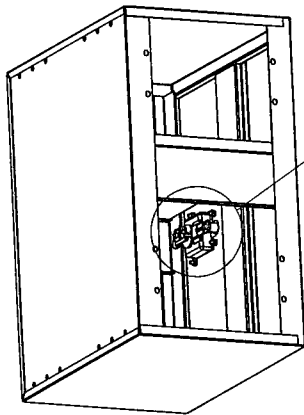
FAS0029  
NUT, NYLON LOCK, #10-24UNC  
QTY = 4

DETAIL B  
SCALE 1 : 4

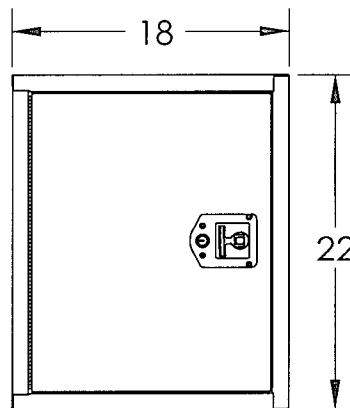
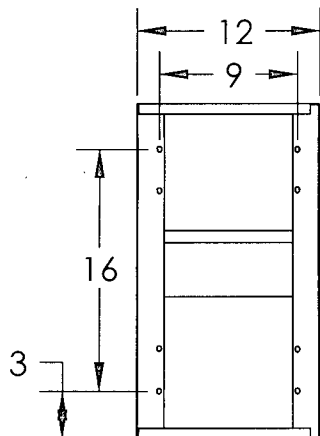
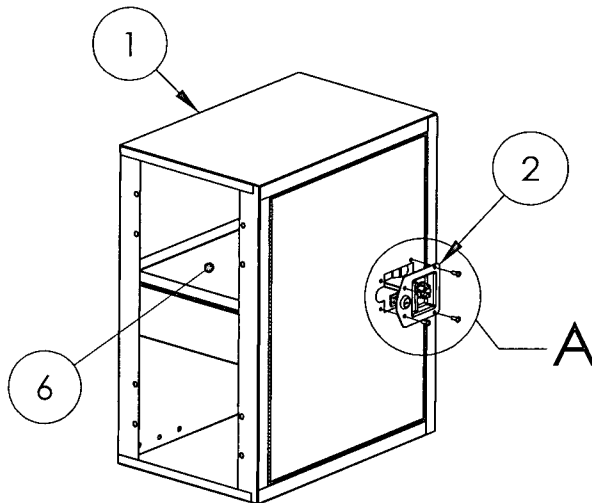
FAS0021  
SCREW, RHP, #10-24UNC X 1/2"  
QTY = 4



DETAIL A  
SCALE 1 : 4



B



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Sheet 1 of 1

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Shipping Wt. (Lbs.):

21.257

Coating/Finish:

GrayPwddct

Do Not Scale This Drawing!

**ADRIAN STEEL**  
VAN AND PICKUP EQUIPMENT

906 James St.  
Adrian, MI 49221  
517.265.6194

Part Description: **CABINET 12 X 22 X 18**

Part Number: **12**

REVISION  
LEVEL:

**C**

REVISION  
LEVEL: **C**

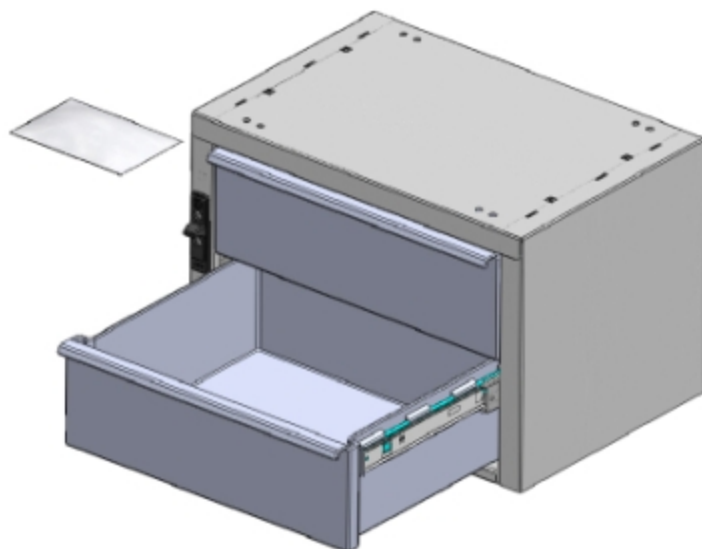
Part  
Number: **12**

**FOR REFERENCE ONLY!**

**ADRIAN STEEL**

Cargo Management Solutions for Commercial Vehicles

## 19, 2-DRAWER MEDIUM

*PRODUCT WEIGHT***27.4 lbs.***WIDTH x DEPTH x HEIGHT***18 x 12 x 12***CAPACITY***25 LBS. PER DRAWER***COLOR***GRAY***CATALOG NUMBER***19***PRODUCT FEATURES*

The drawer unit body is a sturdy welded and painted steel housing. The housing has ¼-20 riv-nuts installed into the base of the unit for easy installation. Also included are pre-drilled mounting holes in the top of the cabinet to allow for quick and easy stacking of the units. The number 19 drawer unit includes two (2) polymer drawers that ride on full extension ball bearing glides. The drawers have an inside dimension of 13.50" wide X 4.5" deep X 11.50" length. Each cabinet includes a sliding latch/lock system designed to secure the drawers during vehicle movement. A cam lock allows for securing your inventory for more security.

*PRODUCT APPLICATION*

This product is designed to be used in and/or on ADRIAN STEEL shelving units and can also be used as a standalone product. The product is great for small parts and supplies storage.

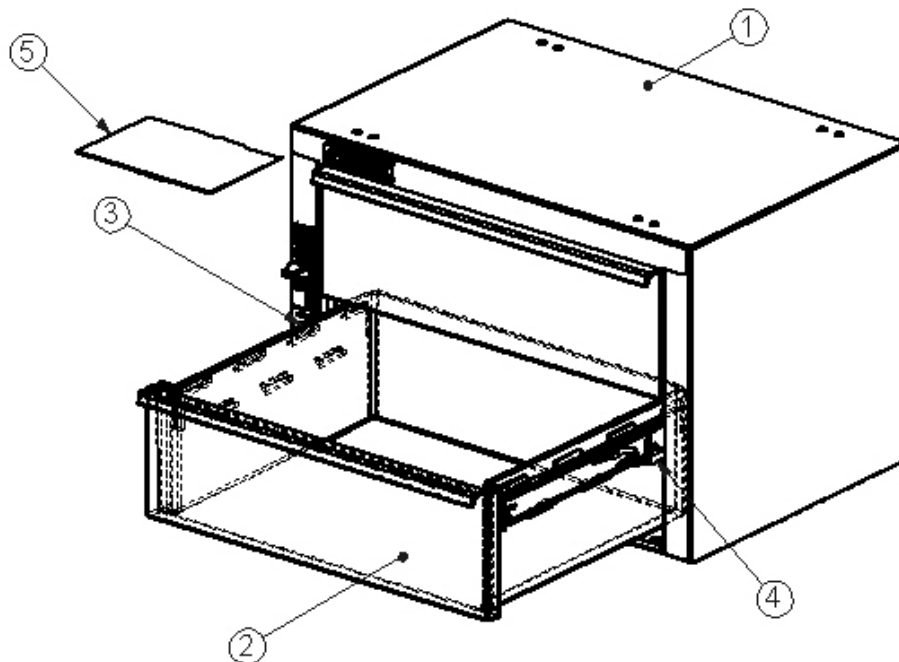
### Introduction / Comments:

The drawer unit body is a sturdy welded and painted steel housing. The housing has 1/4-20 riv-nuts installed into the base of the unit for easy installation. Also pre drilled mounting holes in the top of the cabinet to allow for quick and easy stacking of units. 2 polymer drawers ride on ball bearing glides. Each cabinet includes a sliding latch/lock system designed to secure the drawers during vehicle movement. A cam lock allows for securing your inventory for more security

### **Note:**

It is advised that all fasteners used in this assembly and installation should be checked for tightness at the following intervals: @ 2-weeks and again @ 6-weeks of operation. This preventive maintenance step must be completed to ensure your Product gives you long service life.

| ITEM NO. | PART NUMBER | DESCRIPTION                   | 19S/QTY. |
|----------|-------------|-------------------------------|----------|
| 1        | 39197-G     | WRAPPER BODY ASSM             | 1        |
| 2        | 40016       | DRAWER SUB ASSY. 19/919       | 2        |
| 3        | 40827-LH    | 250MM SLIDE, CABINET HALF, LH | 2        |
| 4        | 40287-RH    | 250MM SLIDE, CABINET HALF, RH | 2        |
| 5        | BAG00001-0  | FASTENER BAG 9,19,919         | 1        |



## 19 2 DRAWER MEDIUM

## - PRECAUTIONS -





 **CAUTION**   
**THE USE OF 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 INSTALLATION HOLES!  
ADRIAN AVAILABLE PART #'S 31119-0 (3/8" X 1/2"  
DEEP), 31121-0 (1/2" x 1/2" DEEP)**



## - 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

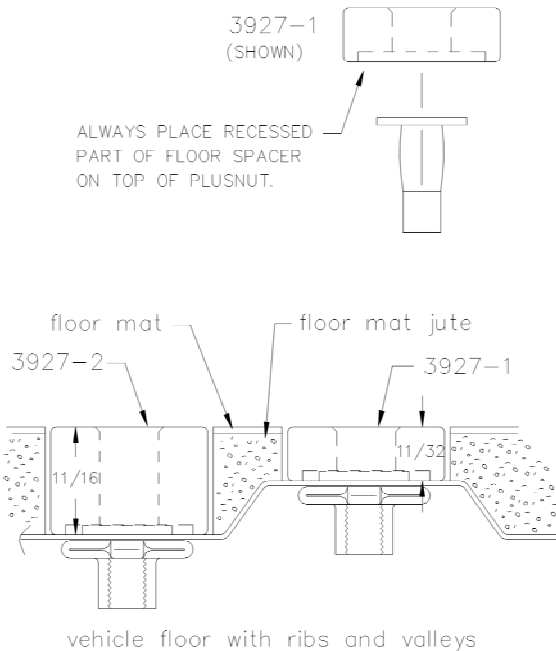
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting location. 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 (P/N: 31183-0). Select the appropriate floor spacers as shown in the illustration. Set those aside for use later into the installation process.

Using the correct drill bit size for the selected plusnut, 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.



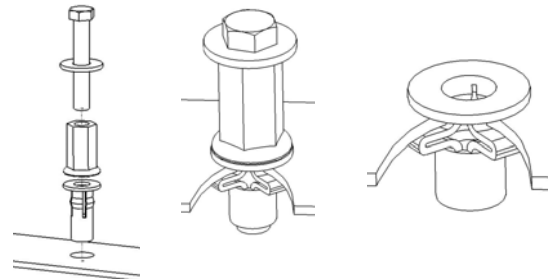
A PLUSNUT (RIVNUT) SETTING TOOL IS REQUIRED FOR PLUSNUT (RIVNUT) INSTALLATION . PLUS NUT SETTING TOOL CAN BE ORDERED THROUGH ADRIAN STEEL, OR USE AN AIR POWERED PLUSNUT SETTING GUN.

1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop

FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8  
FAS0067 WASHER, FLAT, 1/4"ID  
22200-0 PLUSNUT TOOL

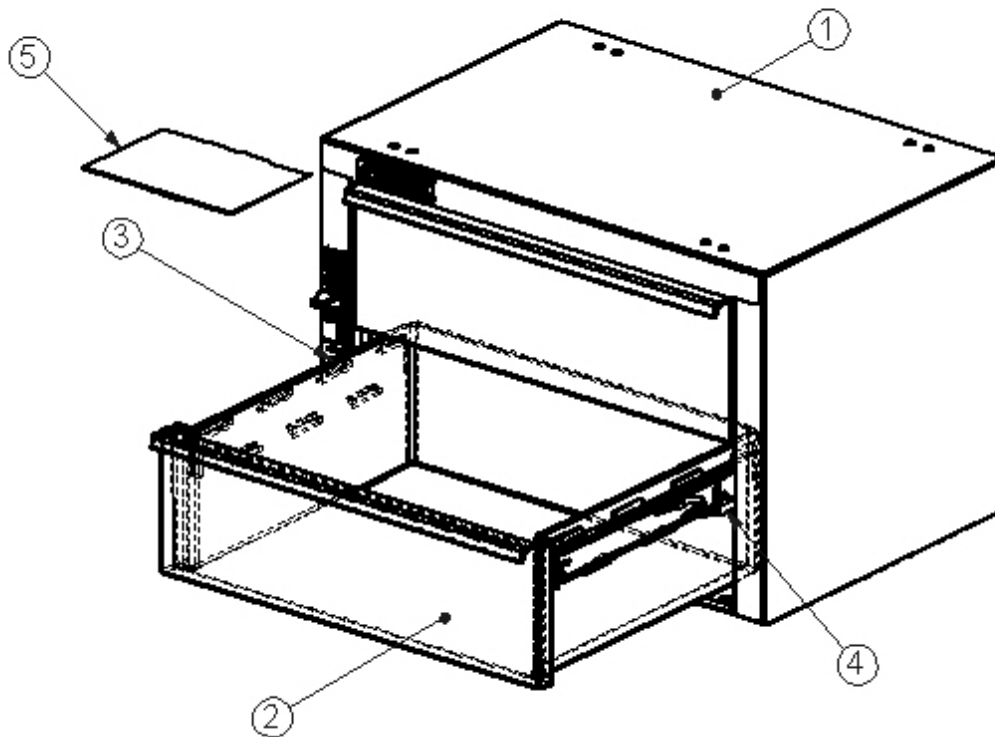
5/16-18UNC Plusnut (FAS0091) Use 1/2" dia. drill w/stop

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.

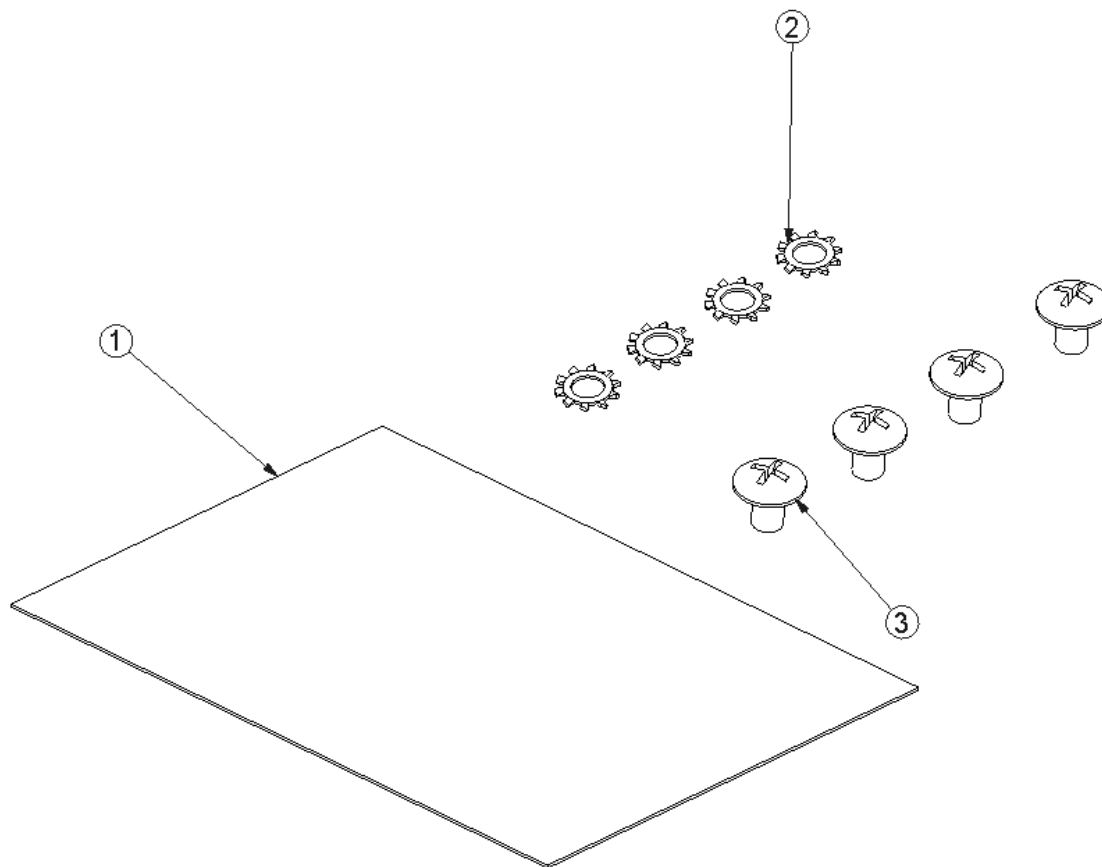
Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).



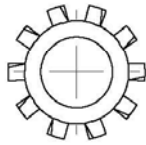
INSERT TWO (2) 40287-LH AND TWO (2) 40287-RH SLIDES INTO CABINET BODY.  
INSERT TWO (2) 40016 DRAWERS INTO CABINET BODY.  
PLACE BAG00001-0 INTO THE SECOND DRAWER. TAPE  
THE LOCK KEYS INTO THE FRONT RIGHT BOTTOM OF THE SECOND  
DRAWER AND CLOSE THE DRAWERS.



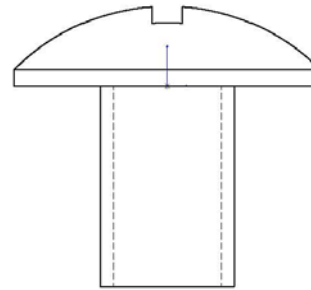
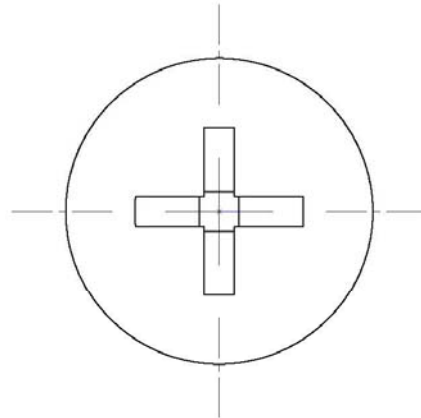
| ITEM NO. | PART NUMBER | DESCRIPTION                           | BAG00001-0./QTY. |
|----------|-------------|---------------------------------------|------------------|
| 1        | BAG0505-A   | 5" x 5" 3MIL AUTOBAG                  | 1                |
| 2        | FAS 0066    | Washer, Lock, Ext. Tooth, 1/4         | 4                |
| 3        | FAS0520     | Screw, Truss Hd. Ph, 1/4-20x .375" lg | 4                |



## Individual Fastener Images & Descriptions

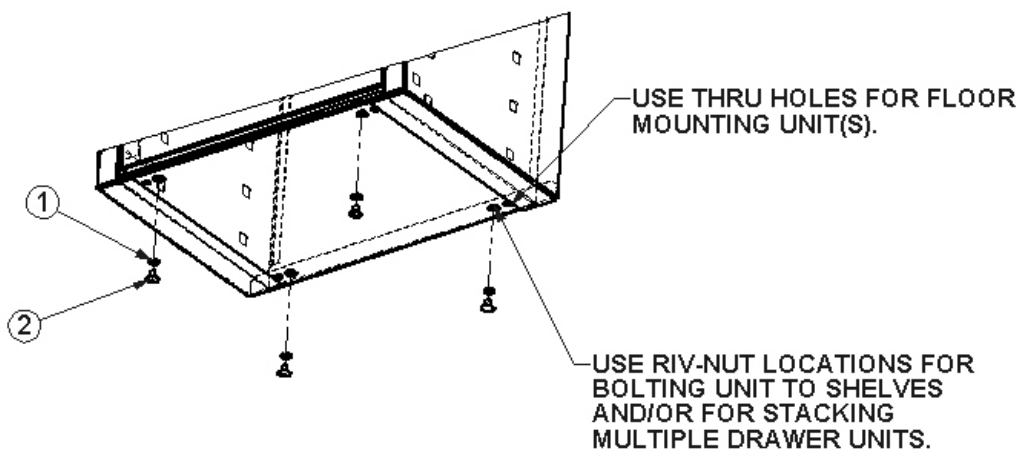
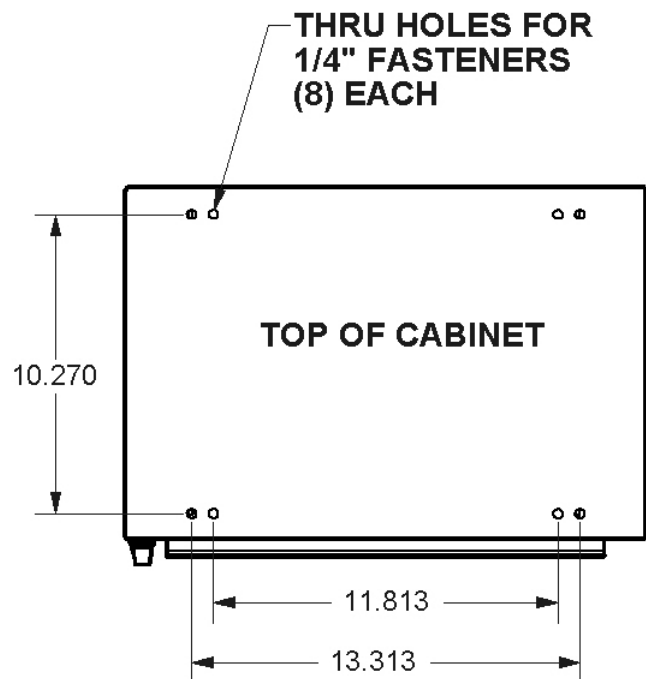
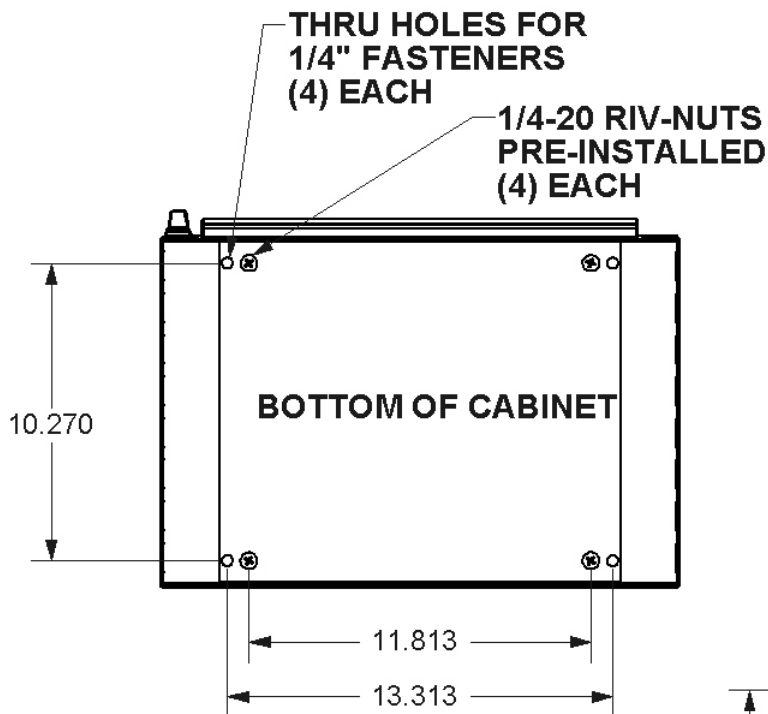


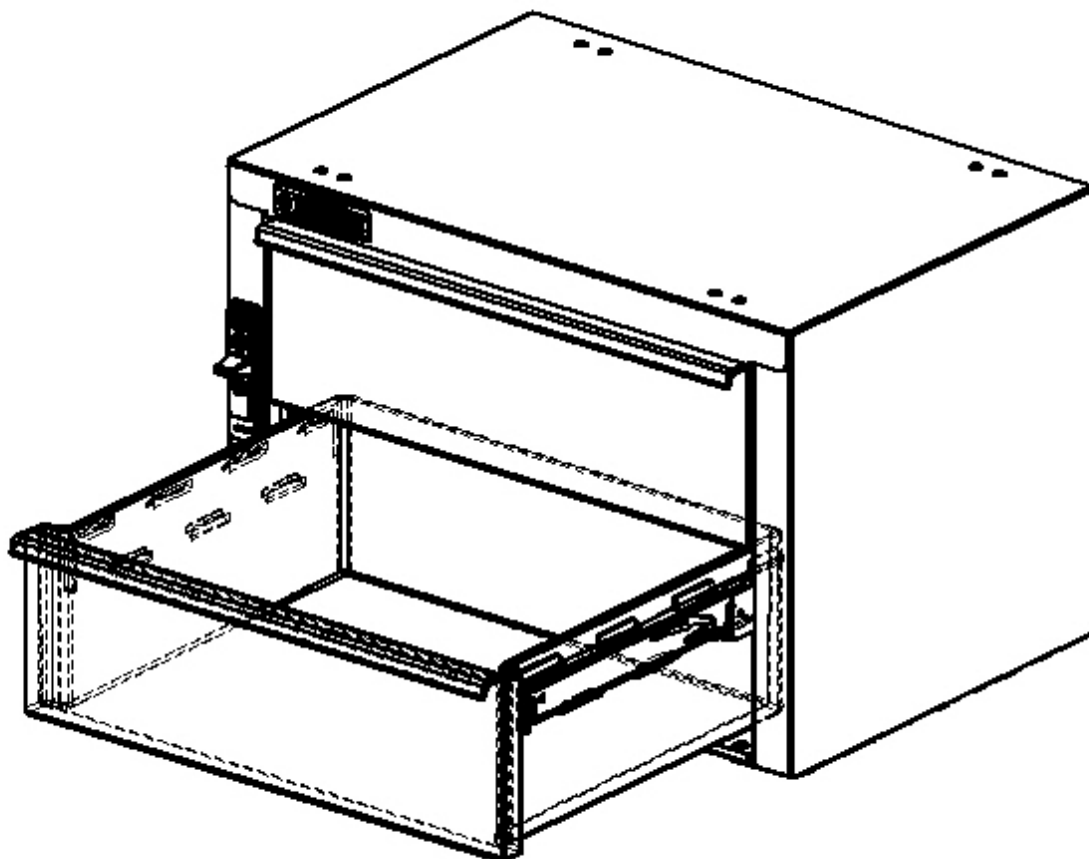
FAS0066  
WASHER,LCK EXT 1/4 ZP



FAS0520  
SCREW,THP 1/4-20 X .38  
ZP

## Step 01 Methods of Attachment





**DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL  
FASTENERS ARE TIGHTENED TO SPECIFICATIONS.  
YOUR INSTALLATION IS NOW COMPLETE!  
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!**