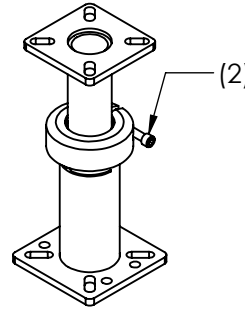
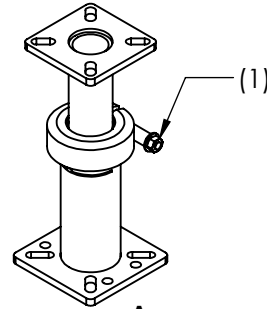
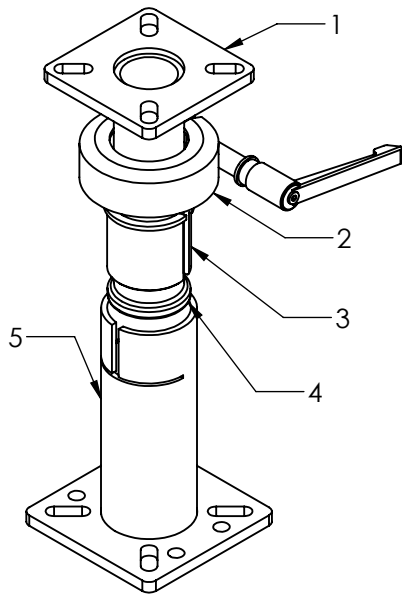
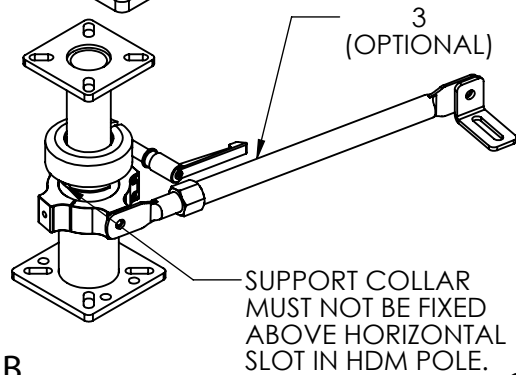


REV.	DESCRIPTION	DATE	BY	CHECKED BY
A	RELEASED TO PRODUCTION	12/03/09	PMELAYA	----

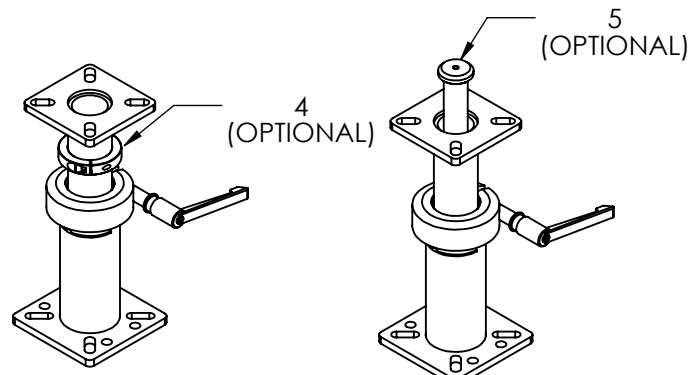
## HEAVY DUTY MOUNT POLE INSTALLATION INSTRUCTIONS



- A**
- 1) THE HDM SERIES ADJUSTABLE COLLAR COMES PRE-ASSEMBLED AND SECURED FOR SHIPPING PURPOSES USING A HEX NUT. REMOVE THE HEX NUT USING A 7/16" WRENCH. REPLACE WITH HANDLE FOUND IN HARDWARE KIT.
  - 2) IF ORDERING WITHOUT HANDLE ASSEMBLY WILL COME WITH A 1/4-20 SHCS PRE INSTALLED.

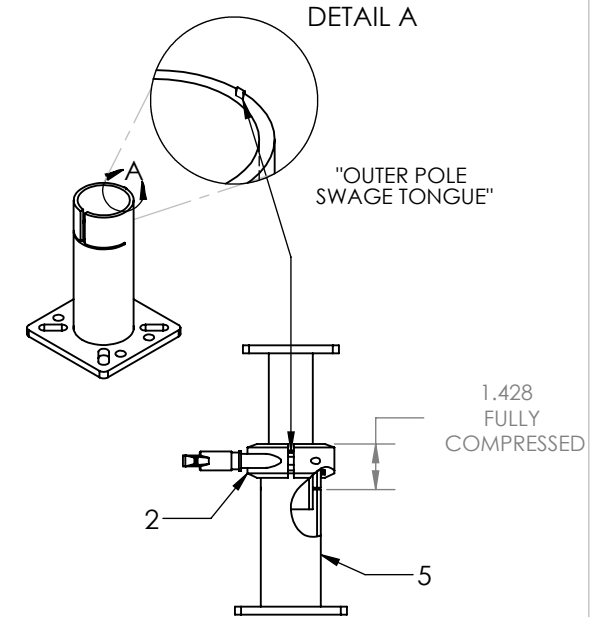


- B**
1. LOOSELY ATTACH 2 PIECE SPLIT COLLAR AROUND LOWER TUBE AS HIGH AS POSSIBLE WITHOUT CROSSING THE HORIZONTAL SLOT. USE 5/32" ALLEN WRENCH.
  2. ATTACH SUPPORT ARM TO COLLAR USING 1/4 X 3/4 HEX BOLT, SPLIT LOCK WASHER AND FLAT WASHER.
  3. ATTACH "L" BRACKET TO OTHER END WITH 1/4 X 3/4 HEX BOLT, FLAT WASHERS, SPLIT LOCK WASHERS AND NUT. FIND MOUNTING LOCATION FOR THE "L" BRACKET UNDER DASH AT GLOBE BOX DOOR HINGE AREA. (PREFERABLY TO METAL FRAME). SOME VEHICLES REQUIRE A HOLE TO BE DRILLED.
  4. ADJUST LENGTH OF SUPPORT ARM AS NEEDED. \*\*\* BE CAREFUL OF WIRING, VACUUM LINES ETC. \*\*\*
  5. TIGHTEN COLLAR ON POLE WITH 5/32" ALLEN WRENCH.
  6. TIGHTEN LARGE NUT ON SUPPORT ARM WITH ADJUSTABLE WRENCH.



- C**
1. (SKIP IF 2 PIECE SHAFT COLLAR CLAMP IS NOT IN USE)
  2. INSTALL (ITEM 4) SHAFT COLLAR ASSEMBLY TO (ITEM 1) INNER POLE. LOCATE DESIRABLE LIMIT HEIGHT AND SECURE SHAFT COLLAR CLAMP USING SUPPLIED HARDWARE AND 5/32 ALLEN WRENCH.

- D**
1. (SKIP IF GAS SHOCK IS NOT IN USE)
  2. REMOVE SMALL PLASTIC DISC OFF THE WIDER DIAMETER OF THE GAS SHOCK BY UNSCREWING.
  3. INSERT GAS SHOCK FROM THE BOTTOM OF THE HDM POLE ASSEMBLY.
  4. SCREW SMALL PLASTIC DISC BACK INTO POSITION.
  5. ATTACH POLE TO C-HDM-100 BASE AND C-HDM-300 TOP PLATE ADAPTERS, BOTH NOT SHOWN. COMPRESSING THE GAS SHOCK IN THE PROCESS.



- E**
1. (DISASSEMBLY PROCESS; NOTE THIS SHOULD ONLY BE DONE IN EXTREME CIRCUMSTANCES).
  2. LOOSEN HANDLE OR BOLT AND TWIST THE COLLAR UNTIL THE SLOT IN THE POLE IS OPPOSITE THE SLOT IN THE COLLAR.
  3. PULL STRAIGHT UP AND THE COLLAR SHOULD COME OFF WITH THE INNER POLE.
  4. TO REASSEMBLE REVERSE STEPS 1-3 ENSURING THE SWAGE IS OPPOSITE THE SLOT IN THE COLLAR WHEN EVERYTHING IS TIGHTENED UP.

ITEM NO.	QTY.	DESCRIPTION
1	1	ASSEMBLY, WELDMENT, HDM, OUTER POLE
2	1	ASSEMBLY, ADJUSTABLE COLLAR CLAMP, HDM
3	1	PVC, SPLIT SLEEVE, E-HDM POLE
4	1	GUIDE RING BUSHING, HDM
5	1	ASSEMBLY, WELDMENT, HDM, INNER POLE

<p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HAVIS SHIELDS EQUIPMENT CORP. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HAVIS SHIELDS EQUIPMENT CORP. IS PROHIBITED.</p>		<p>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES ALL THREADS ARE IN UNC-2B OR UNF-2B AFTER COATING AND TOLERANCES ARE: .XX .XXX ANGLES .02 .010 .5 DEG</p>		<p><b>HAVIS</b></p> <p>75 JACKSONVILLE RD. WARMINSTER, PA. 18974 1-800-524-9900</p>	
<p>DESIGNED BY: Dave E'nama</p> <p>DRAWN BY: Paul Melaya</p> <p>CHECKED BY: -</p> <p>REF # C-HDM-200-INST</p>		<p>MATERIAL: SEE BOM</p> <p>FINISH: NONE</p>		<p>TITLE: <b>ASSEMBLY INSTRUCTIONS, HDM 200 SERIES, POLE ASSEMBLY</b></p>	
<p>DO NOT SCALE DRAWING</p>		<p>AREA(SQ. IN.): 472.710</p>		<p>SIZE <b>A</b></p>	<p>DWG. NO. <b>C-HDM-200-INST</b></p>
		<p>WEIGHT (LB): 6.434</p>		<p>SCALE: 1:4</p>	<p>REV <b>A</b></p>
		<p>SHEET 1 OF 1</p>			