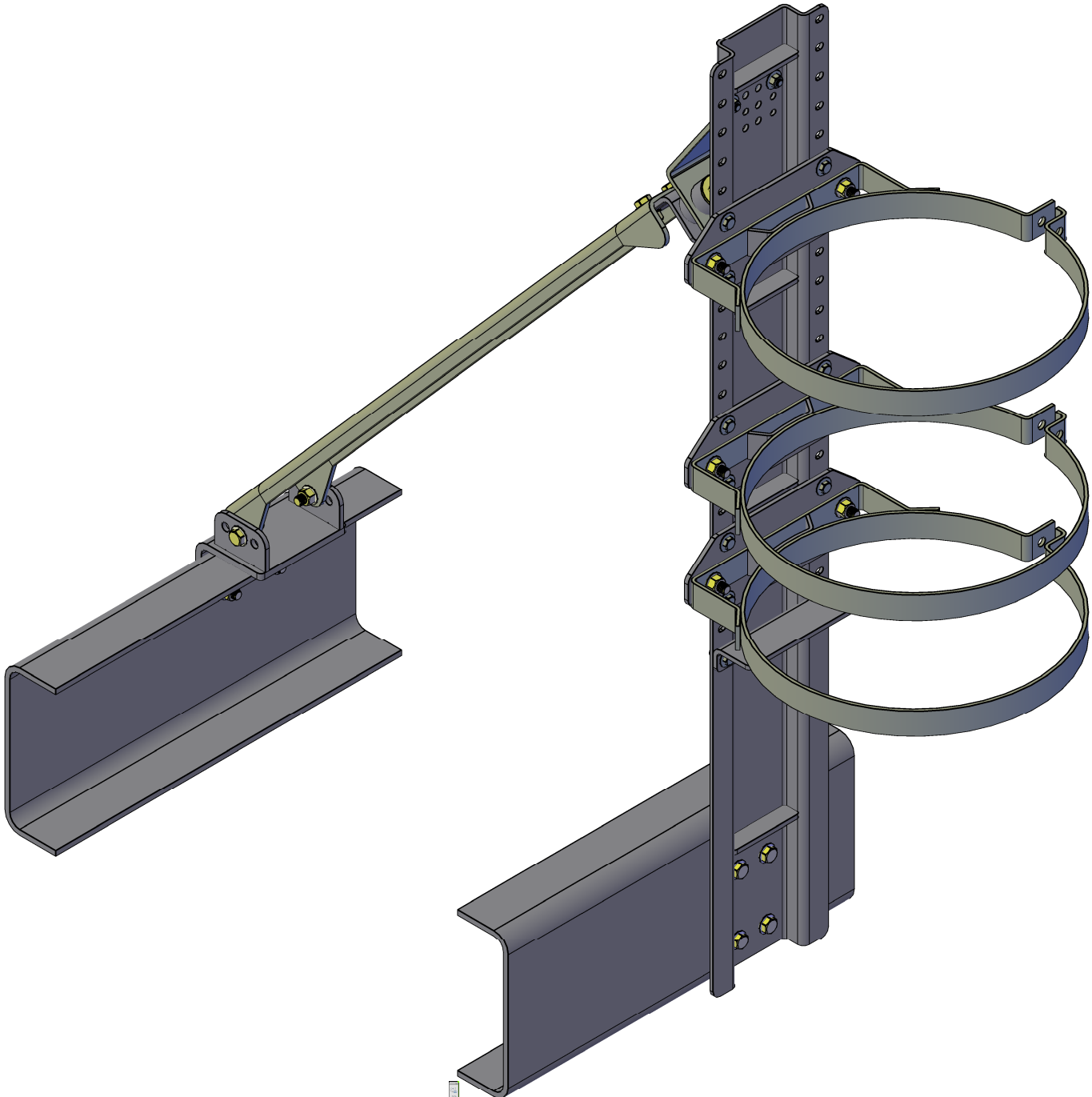


DIESEL EMISSIONS SERVICE

RETROFIT AND REPOWER SPECIALISTS

Portland | Redding | Oakland | Ontario



DES VM6050 HUG R50 VERTICAL MOUNT

ALL INSTALLATION INSTRUCTIONS AND GUIDELINES MUST BE THOROUGHLY READ AND UNDERSTOOD BEFORE INSTALLING A DIESEL EMISSIONS SERVICE PRODUCT



PRODUCT GUIDELINES

Diesel Emissions Service recommends its products be installed by a trained technician with proper tools and safety equipment. In addition all Diesel Emissions Service mounting brackets should be installed using good judgment and sound mechanical principles. Since all installations are unique, it is the sole responsibility of the installer to determine the best fit and function of the DPF mounting brackets.

PRODUCT SAFETY

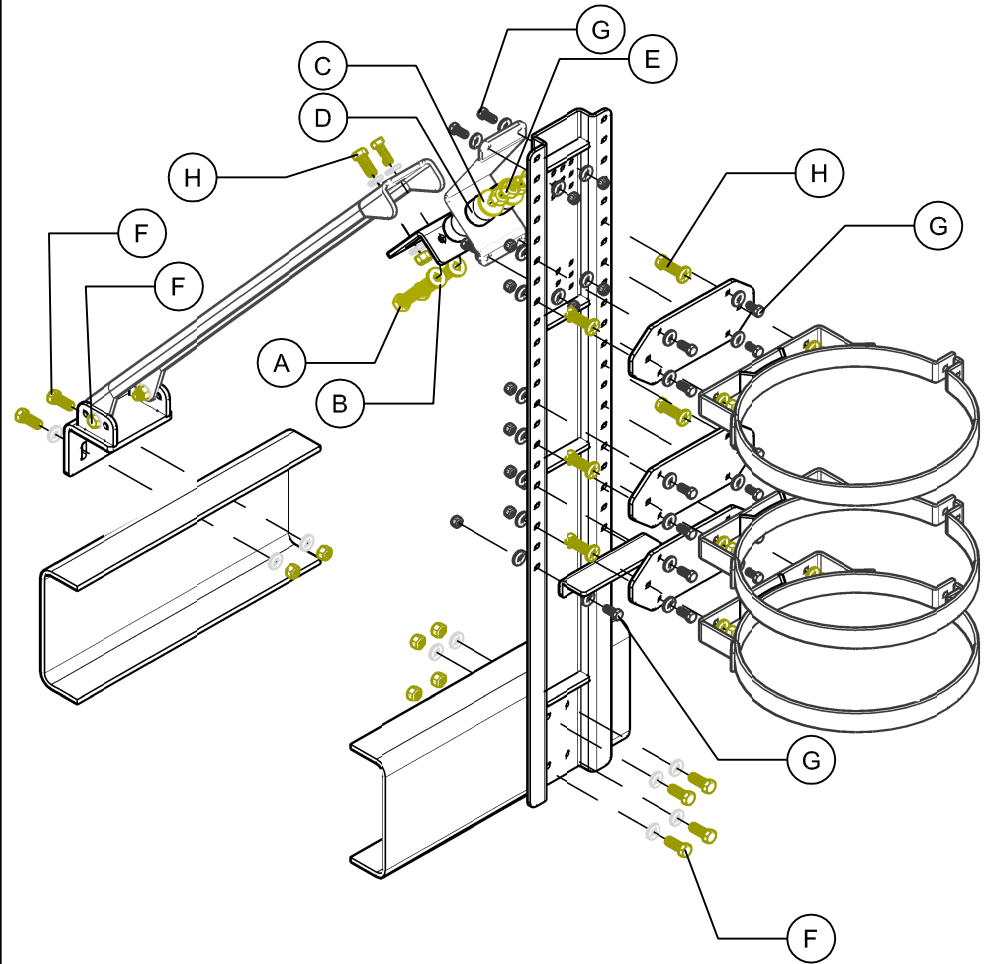
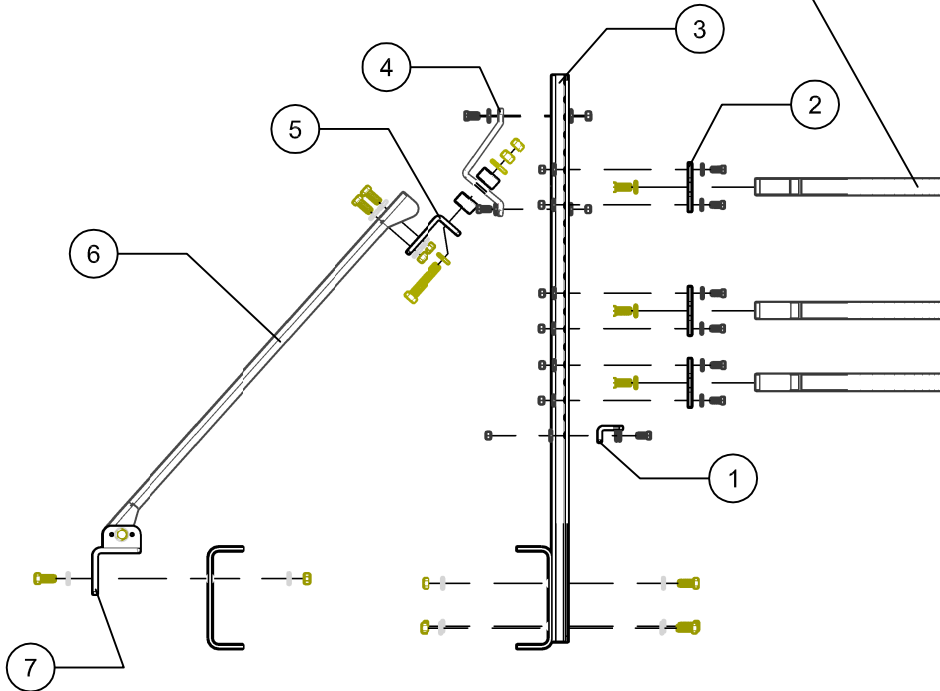
Diesel Emissions Service products are designed for “ON-ROAD” applications only. Modifications to any Diesel Emissions Service product are not recommended and can compromise the bracket performance. Diesel Emissions Service claims no liability or responsibility for the improper application or installation of its products.

PRODUCT WARRANTY

Diesel Emissions Service warrants to the original purchaser of its products that such products will be free from defects in material and workmanship under normal use. Diesel Emissions Service’s obligation under this warranty is solely and exclusively limited to repair and or replacement, at Diesel Emissions Service option, of the product (or components thereof) which Diesel Emissions Service’s examination proves to its satisfaction to be defective. Diesel Emissions Service SHALL HAVE NO OBLIGATION FOR CONSEQUENTIAL DAMAGES TO PERSONAL OR REAL PROPERTY, OR FOR INJURY TO ANY PERSON.

This warranty does not apply to products which have been subject to improper use, accident, negligence, abuse or misuse.

FILTER BANDS SOLD SEPARATELY

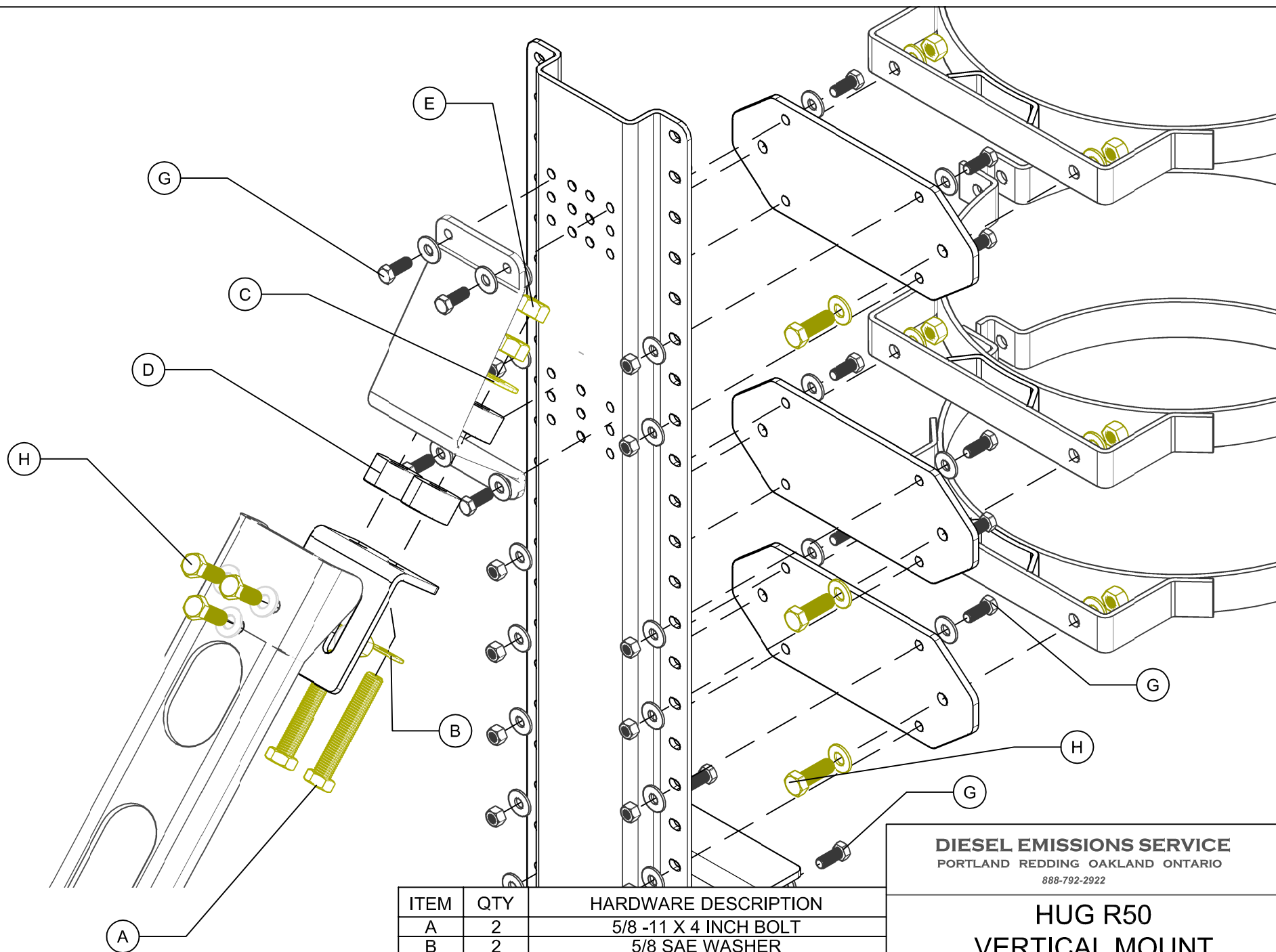


ITEM	QTY	COMPONENT DESCRIPTION	ITEM	QTY	HARDWARE DESCRIPTION
1	1	FILTER SUPPORT	A	2	5/8 -11 X 4 INCH BOLT
2	3	FILTER BAND MOUNT BRACKET	B	2	5/8 SAE WASHER
3	1	56" VERTICAL STANCHION	C	2	5/8 USS WASHER
4	1	UPPER ISOLATOR BRACKET	D	4	2" THICK POLY ISOLATORS
5	1	UPPER CROSS BAR BRACKET	E	4	5/8 -11 HEX NUTS
6	1	CROSS BAR	F	8	1/2 - 13 X1-3/4 BOLT,NUT,WASHER,ASSY
7	1	LOWER CROSS BAR BRACKET	G	18	3/8 - 16 X1-1/2 BOLT,NUT,WASHER,ASSY
			H	9	7/16-14 X1-1/2 BOLT,NUT,WASHER,ASSY

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HUG R50 VERTICAL MOUNT

Size	Drawing No.	Rev
A	DES VM6050	
Scale NOT TO SCALE	CAD File	Sheet 1 OF 7

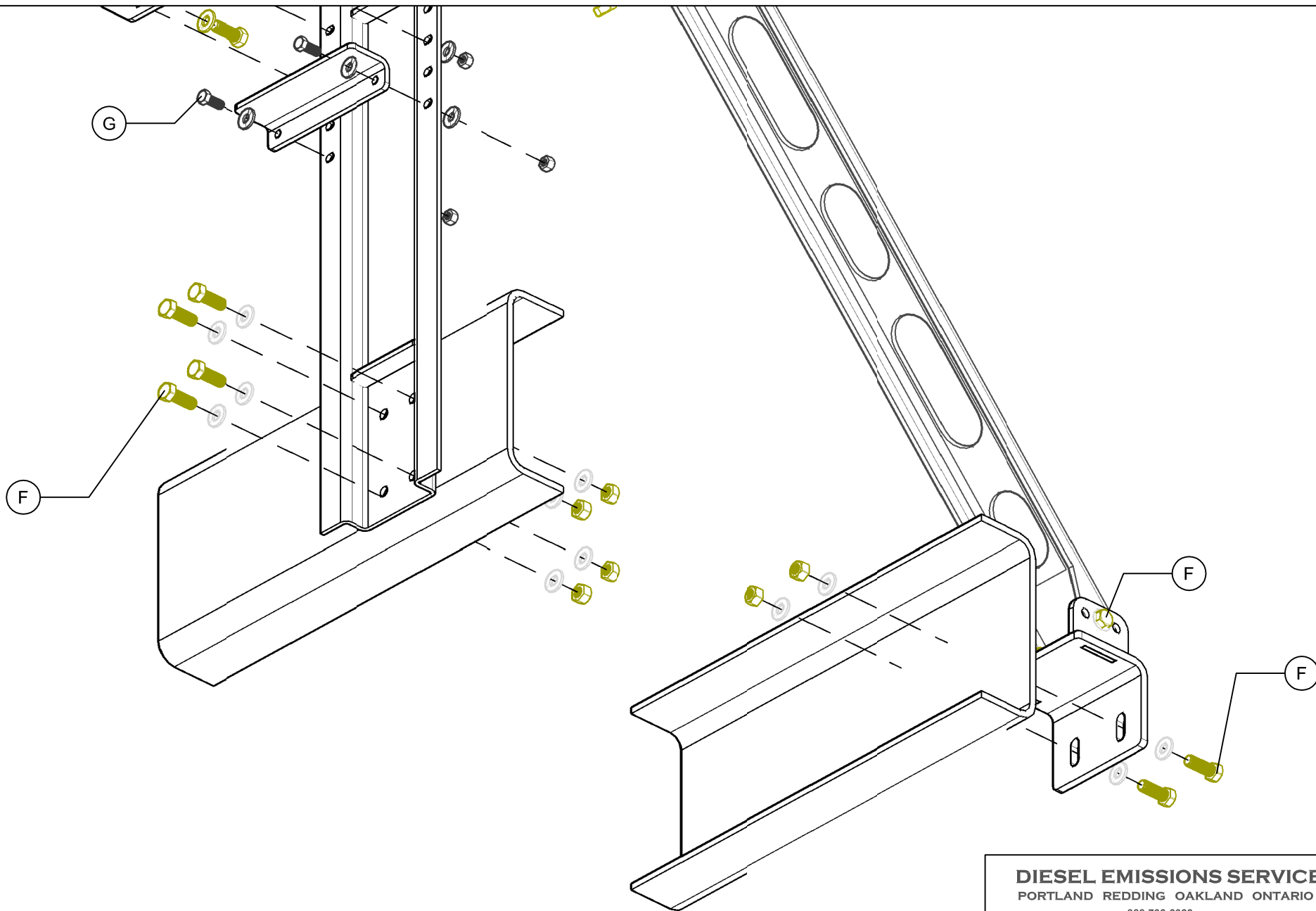


ITEM	QTY	HARDWARE DESCRIPTION
A	2	5/8 -11 X 4 INCH BOLT
B	2	5/8 SAE WASHER
C	2	5/8 USS WASHER
D	4	2" THICK POLY ISOLATORS
E	4	5/8 -11 HEX NUTS
G	18	3/8 - 16 X1-1/2 BOLT,NUT,WASHER,ASSY
H	9	7/16-14 X1-1/2 BOLT,NUT,WASHER,ASSY

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HUG R50 VERTICAL MOUNT

Size	Drawing No.	Rev
A	DES VM6050	
Scale NOT TO SCALE	CAD File	Sheet 2 OF 7



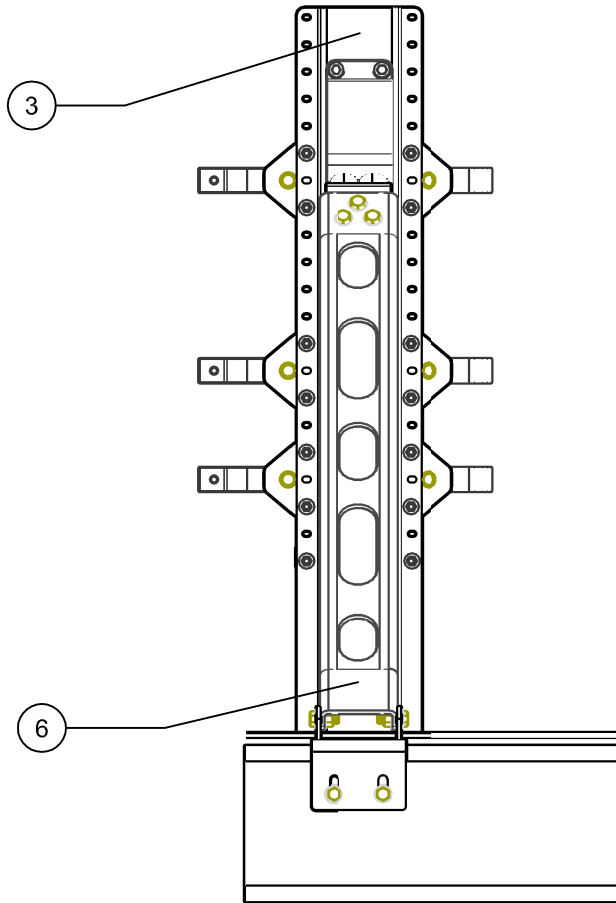
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HUG R50 VERTICAL MOUNT

ITEM	QTY	HARDWARE DESCRIPTION
F	8	1/2 - 13 X1-3/4 BOLT,NUT,WASHER,ASSY
G	18	3/8 - 16 X1-1/2 BOLT,NUT,WASHER,ASSY

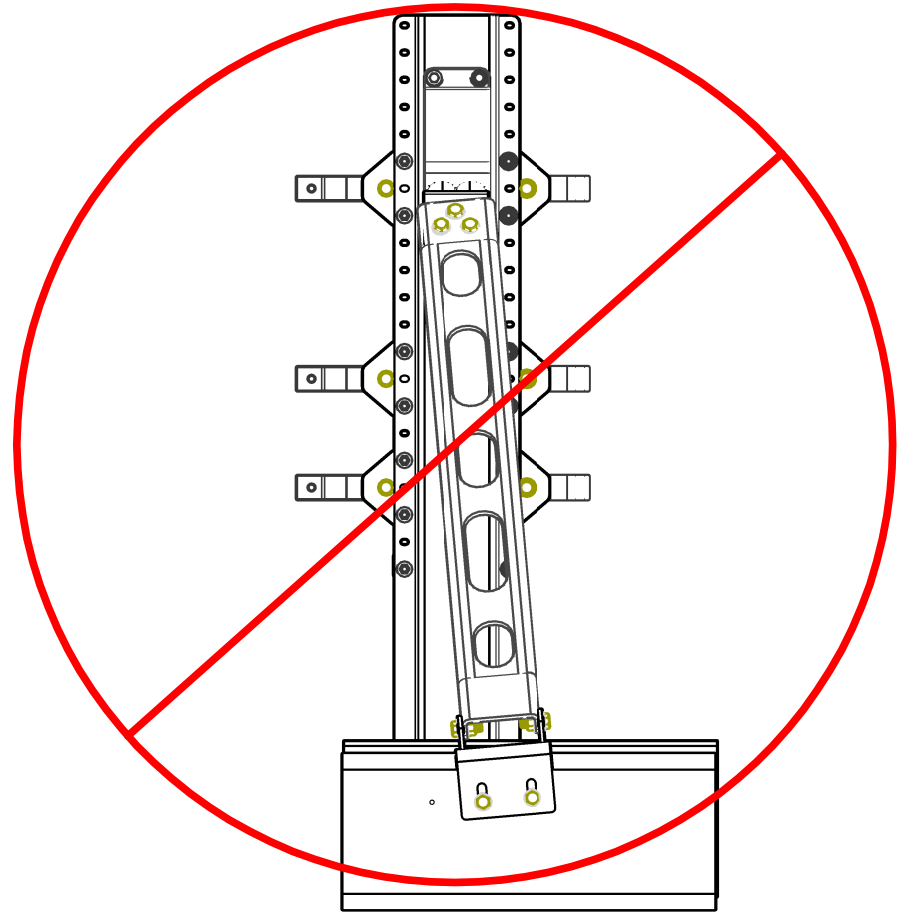
Size	Drawing No.	Rev
A	DES VM6050	
Scale NOT TO SCALE	CAD File	Sheet 3 OF 7

CORRECT



CROSS BAR(6) MUST BE PLACED
PARALLEL TO 56"VERTICAL STANCHION(3)

INCORRECT



FAILURE TO INSTALL CROSS BAR (6) PARALLEL
TO VERTICAL STANCHION (3) CAN COMPROMISE
BRACKET INTEGRITY AND RESULT IN BRACKET
FAILURE AND OR DAMAGE TO FILTER!

ITEM	QTY	COMPONENT DESCRIPTION
3	1	56" VERTICAL STANCHION
6	1	CROSS BAR

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Drawing No.

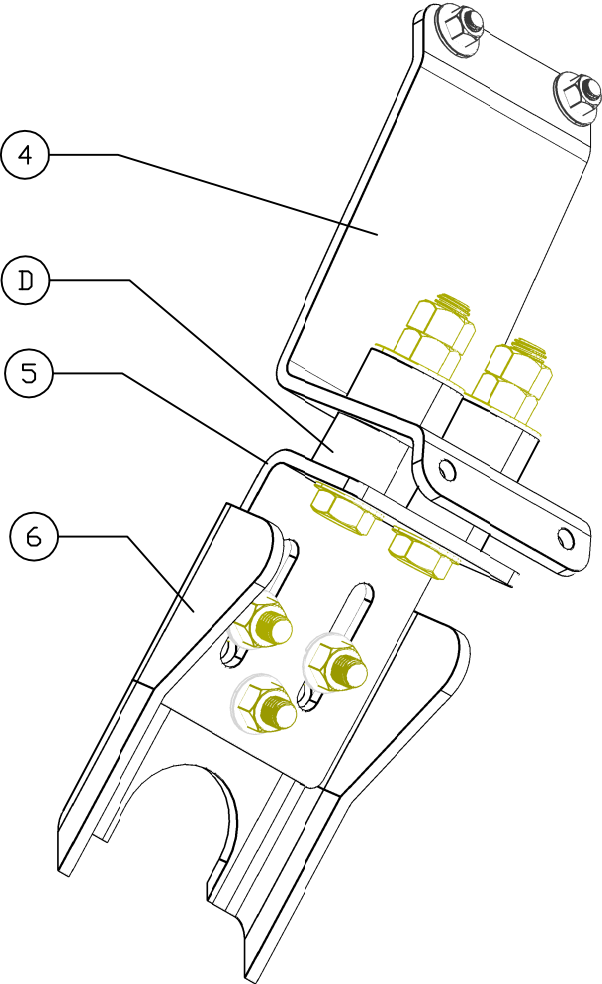
DES VM6050

Scale NOT TO SCALE

Size A

Sheet
4 OF 7

CORRECT

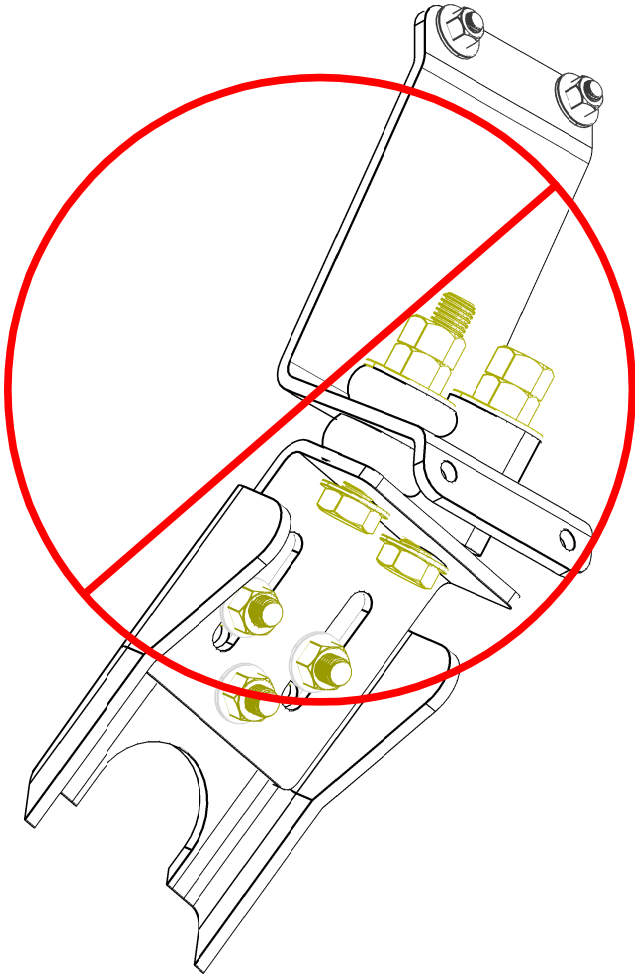


ISOLATORS (D) MUST BE
COMPRESSED EQUALLY



ISOLATORS (D) SHOULD BE
COMPRESSED APPROXIMATELY
25-30%

INCORRECT

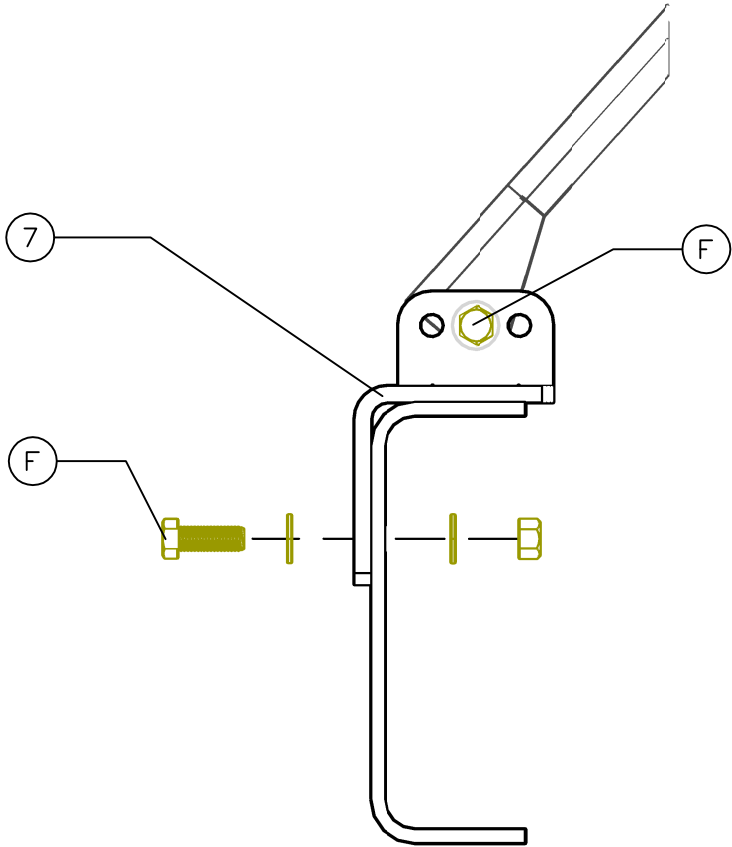


IMPROPER ISOLATOR COMPRESSION
CAN LEAD TO ISOLATOR AND
BRACKET FAILURE

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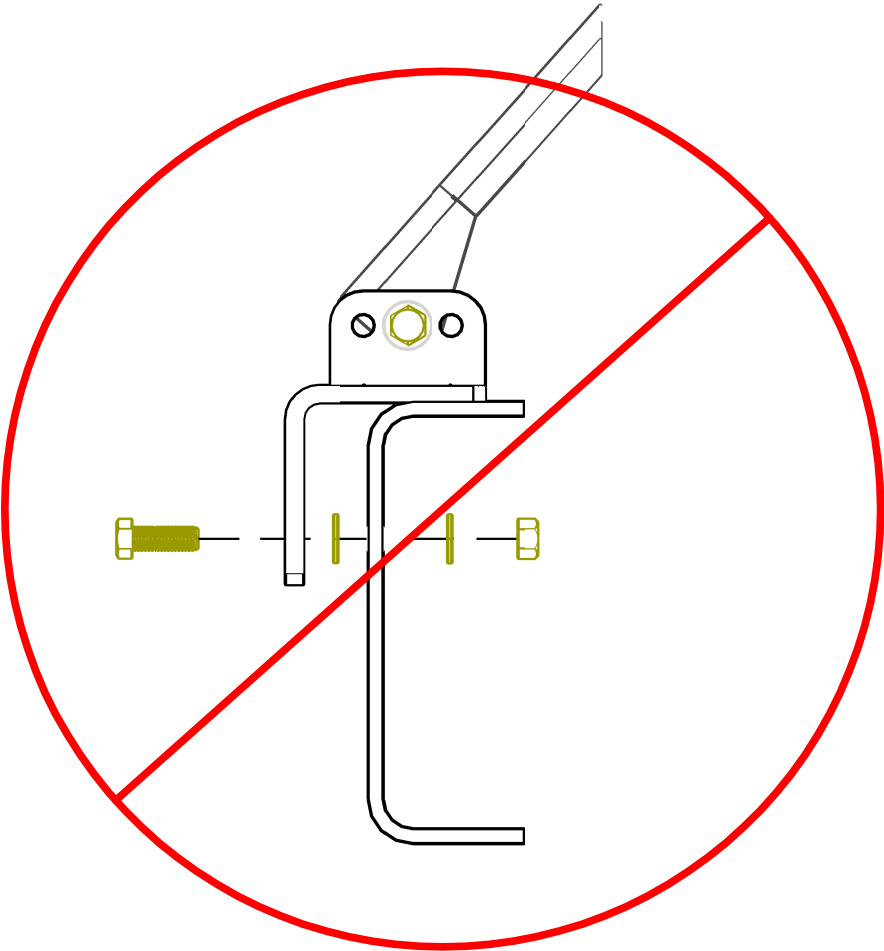
ITEM			ITEM			Drawing No.		
QTY	COMPONENT DESCRIPTION		QTY	HARDWARE DESCRIPTION		DES VM6050		
4	1	UPPER ISOLATOR BRACKET	D	4	2" THICK POLY ISOLATORS	Scale	NOT TO SCALE	Size
5	1	UPPER CROSS BAR BRACKET					A	Sheet
6	1	CROSS BAR						5 OF 7

CORRECT



LOWER CROSS BAR BRACKET (7) MUST
SEAT FLUSH TO FRAME RAIL

INCORRECT

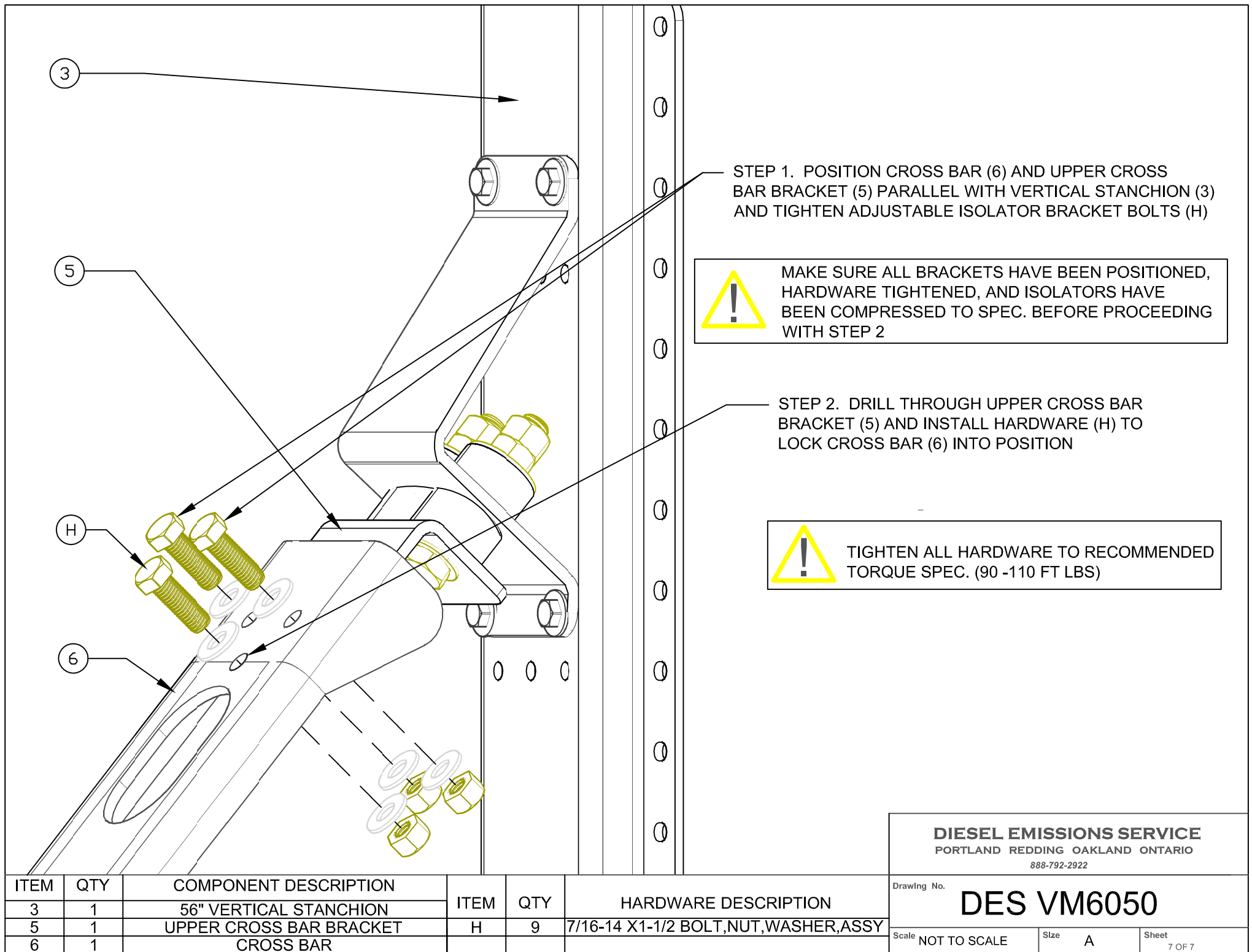


NEVER SPACE LOWER CROSS BAR
BRACKET (7) AWAY FROM FRAME RAIL

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Drawing No. **DES VM6050**

ITEM	QTY	COMPONENT DESCRIPTION	ITEM	QTY	HARDWARE DESCRIPTION	Scale	Size	Sheet
7	1	LOWER CROSS BAR BRACKET	F	8	1/2 - 13 X1-3/4 BOLT,NUT,WASHER,ASSY	NOT TO SCALE	A	6 of 7



ITEM			QTY			COMPONENT DESCRIPTION			ITEM			QTY			HARDWARE DESCRIPTION			Drawing No.		
3			1			56" VERTICAL STANCHION			ITEM			QTY			7/16-14 X1-1/2 BOLT,NUT,WASHER,ASSY			DES VM6050		
5			1			UPPER CROSS BAR BRACKET			H			9						Scale NOT TO SCALE		
6			1			CROSS BAR												Size A		
																		Sheet 7 OF 7		

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