

MAGNUM TRAILER
&
EQUIPMENT INC.

Y .	ш	M
		M

FRACTIONS CHART				
1/32 .03125 1/16 .0625 3/32 .09375 1/8 .125 5/32 .15625 3/16 .1875 7/32 .21875 1/4 .25	9/32 .28125 5/16 .3125 11/32 .34375 3/8 .375 13/32 .40625 7/16 .4375 15/32 .46875 1/2 .5	17/32 .53125 9/16 .5625 19/32 .59375 5/8 .625 21/32 .65625 11/16 .6875 23/32 .71875 3/4 .75	25/32 .78125 13/16 .8125 27/32 .84375 7/8 .875 29/32 .90625 15/16 .9375 31/32 .96875	

	UNLESS OTHERWI DIMENSIONS AR TOLERANCI	E IN INCHES
l	FRACTIONS	ANGLES

FRACTIONS	ANGLES
+/- 1/16"	+/- 1deg

1/- 1/10 1/- Tueg	WO#	
	SCALE	MOD
DIMENSIONS TO SHARP POINTS	1:4	

OFFICE I NAME	III.EE			
BUMPER INSTALL	17132 BUMPER ON VOLVO VN 2009			
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER	WEIGHT - LB. 98.7	
	DRAWN BY	DRAWN DATE	REV.	
WO#	GW	2016-03-22	C	;
SCALE	MODELLER	DRAWING NUMBER	NUMBER OF SHEETS	
1:4	GW	AA-43123	1	

\*TRUCK HOOD IS HIDDEN IN THIS DRAWING

DO NOT SUBSTITUTE **ANY FASTENERS** 

43123

3/4-10 UNC GRADE 2 **NYLOC NUT-**3/8-16 UNC **GR.C STOVER** 

(2) PLACES-

## **INSTALLATION STEPS**

- POSITION HOOK TO INSIDE OF **BUMPER BRACKET**
- 2. INSERT 3/8" X 3" BOLTS WITH WASHERS THROUGH HOOK AND BUMPER BRACKET AS SHOWN.
- **INSTALL 3/8" WASHERS AND** STOVER NUTS. LEAVE THESE LOOSE AT THIS POINT.
- INSTALL 3/4" BOLT WITH WASHER THROUGH HOOK AND BRACKET.
- 5. INSTALL 3/4" NYLOC NUT WITH WASHER - LEAVE LOOSE AT THIS POINT
- TIGHTEN 3/8" STOVER NUTS -6. TORQUE = 20 LB./FT
- TIGHTEN 3/4" NYLOC NUT ONLY UNTIL THE BOLT HAS NO FREE END PLAY. DO NOT TIGHTEN THIS NUT DOWN FULLY

## TRUCK FRAME-3/4" GR. 8 WASHER 3/4" GR. 8 WASHER 3/4-10 UNC GR.8 X 6" LONG BOLT-3/8" GR. 2 WASHER (2) PLACES BUMPER CAST BRACKET (42490) (PART OF BUMPER) 3/8" GR. 2 WASHER (2) PLACES-3/8-16 UNC GR.5 X 3" LONG BOLT (2) PLACES

## **IMPORTANT SAFETY NOTES:**

-THE (2) 3/8" DIAMETER BOLTS MUST BE GRADE 5 ONLY - DO NOT SUBSTITUTE BOLTS ARE DESIGNED TO BREAK TO INDICATE TOW OVER SAFE CAPACITY

-DO NOT FULLY TIGHTEN DOWN THE 3/4" NYLOC NUT. THERE MAY BE A GAP BETWEEN THE HOOK AND TRUCK FRAME - THIS IS NORMAL

\*\*ALUMINUM PORTION OF BUMPER IS NOT SHOWN FOR CLARITY TOW HOOKS CAN BE INSTALLED WITHOUT REMOVING BUMPER

MAGNUM TRAILE &	F
EQUIPMENT INC	•
MACNIII	V

FRACTIONS CHART				
1/32 .03125 1/16 .0625 3/32 .09375 1/8 .125 5/32 .15625 3/16 .1875 7/32 .21875 1/4 .25	9/32 .28125 5/16 .3125 11/32 .34375 3/8 .375 13/32 .40625 7/16 .4375 15/32 .46875 1/2 .5	17/32 .53125 <b>9/16</b> .5625 19/32 .59375 <b>5/8</b> .625 21/32 .65625 <b>11/16</b> .6875 23/32 .71875 <b>3/4</b> .75	25/32 .78125 13/16 .8125 27/32 .84375 7/8 .875 29/32 .90625 15/16 .9375 31/32 .96875	

DIMENSIONS ARE IN INCHES TOLERANCES ARE:			
FRACTIONS +/- 1/16"	ANGLES +/- 1°		
.XX" +/- 0.03"	.XXX" +/- 0.005"		
DIMENSIONS TO	SHARP POIN		

**UNLESS OTHERWISE SPECIFIED** 

INSTALL(2)	17132 BUMPER ON VOLVO VN 2009			
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER WEIGHT - LB. 98.7		
WO#	GW	2016-03-22		C REV.
1:3	MODELLER GW	DRAWING NUMBER AA-43123	NUMBER OF S	SHEETS