

ONLY USE FASTENERS AND GRADES SPECIFIED

INSPECT TOW SOCKETS BEFORE INSTALL FOR CASTING FLASH. GRIND SMOOTH IF FOUND TO ALLOW PROPER FIT OF THE BUMPER BRACKETS.

WHITE SHIM (6) (SUPPLIED)

BLUE ANTIRATTLE PAD (2) (SUPPLIED)

INSERT INTO FACTORY TOW SOCKET AND PIN

5/8 NF GR.C STOVER NUT (2) PLACES TYP. (SUPPLIED) TIGHTEN SECURELY (2): TORQUE = 210 FT LB. DO NOT EXCEED THIS VALUE OR DAMAGE WILL OCCUR. ENSURE THAT STUD IS FREE OF LUBRICATION BEFORE TIGHTENING.

5/8 NC X 2" GR.8 CAPSCREW
GR.8 WASHERS
5/8 NC GR.C STOVER NUT (2) PLACES TYP. (SUPPLIED)

IMPORTANT:

AFTER BUMPER IS INSTALLED, CHECK BUMPER IN CLOSED POSITION FOR MOVEMENT. IF MOVEMENT IS FOUND, OPEN THE LATCHES AND INSTALL WHITE SHIMS ON THE BACK OF ANTIRATTLE PAD UNTIL THE MOVEMENT IS GONE.

FOR MORE DETAILS PLEASE CHECK OUT OUR INSTRUCTIONAL VIDEO AT [HTTP://MAGNUMTRAILER.COM/TUBE-BUMPER-ADJUSTMENT/](http://MAGNUMTRAILER.COM/TUBE-BUMPER-ADJUSTMENT/)

**MAGNUM TRAILER
&
EQUIPMENT INC.**



FRACTIONS CHART

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

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

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

DIMENSIONS TO SHARP POINTS

SHEET NAME

BUMPER INSTALL

CURRENT CUSTOMER

WO#

SCALE

1:12

TITLE

17166 BUMPER ON KENWORTH T-680 2013

STOCK NUMBER

VENDOR NUMBER

DRAWN BY

BNS

DRAWN DATE

1/23/2014

MODELLER

BNS

DRAWING NUMBER

AA-29312

WEIGHT - LB.

101.

REV.

B

NUMBER OF SHEETS

1