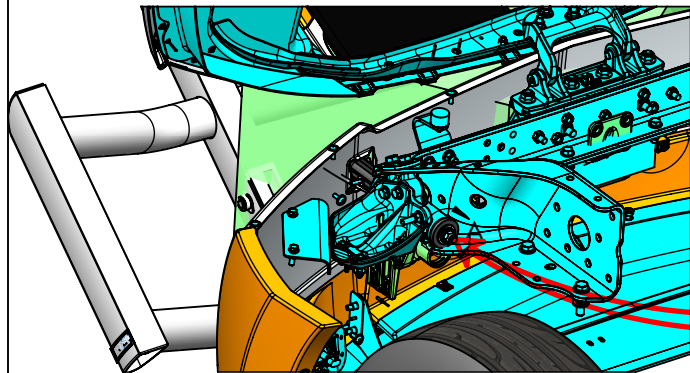
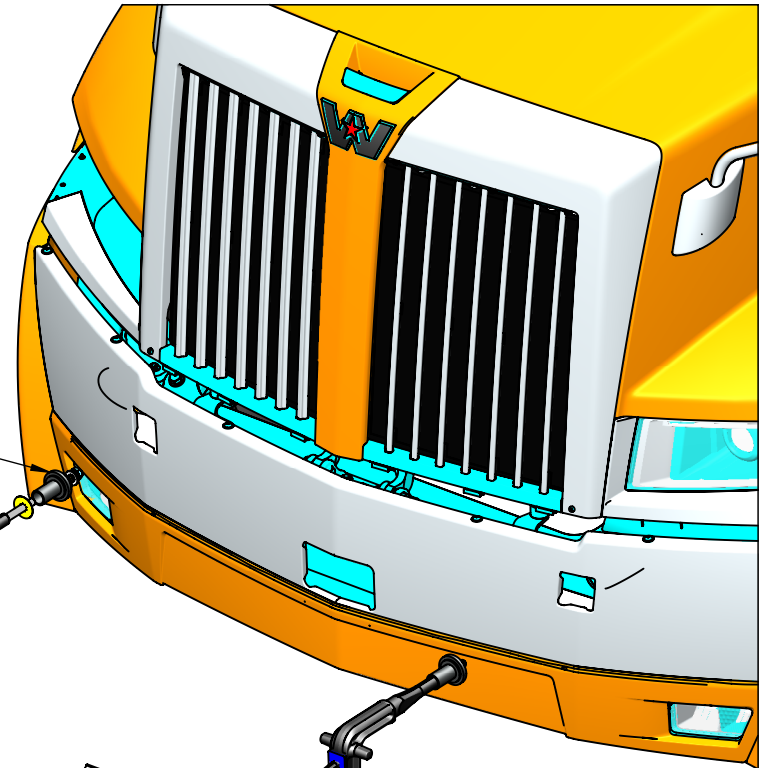


INSTALL STEPS

- 1) REMOVE NUTS, WASHERS AND SUPPORT SPACERS FROM STUDS - 2 PLACES.
 - 2) OPEN THE HOOD AND REMOVE THE SRPINGS AND SHOULDER WASHERS IN THE BACK OF THE TOW SOCKETS. CLOSE THE HOOD.
 - 3) WITH BUMPER IN THE CLOSED POSITION SLIDE THE BRACKETS INTO THE TOW SOCKETS.
 - 4) CAREFULLY OPEN BUMPER, ENSURING IT DOES NOT SLIP OUT OF THE TOW SOCKETS.
 - 5) OPEN TRUCK HOOD AND INSTALL NUTS, WASHERS AND SUPPORT SPACERS AS SHOWN IN **DETAIL A AND CROP VIEW.**
 - 6) FULLY TIGHTEN NUTS ONTO STUD. TORQUE = 210 FT-LB. DO NOT EXCEED THIS VALUE OR STRIPPING WILL OCCUR. ENSURE THAT STUD IS FREE OF LUBRICATION BEFORE TIGHTENING TO THIS VALUE.
- IF LOCTITE IS USED DECREASE TORQUE VALUE ACCORDING TO THE MANUFACTURERS RECOMMENDATION.
- 7) CLOSE HOOD AND BUMPER.
 - 8) CHECK THE BUMPER FOR FREE MOVEMENT AND IF IDENTIFIED ADD ONE OR MORE WHITE SHIMS AS PER MAGNUM INSTRUCTIONS. CONGRATULATIONS, THE INSTALL IS NOW COMPLETE.

NOTE: TOW SHACKLE & CLEVIS NOT VISIBLE IN THIS VIEW, VISIBLE ON SECOND SHEET WHEN THE BUMPER IS CLOSED

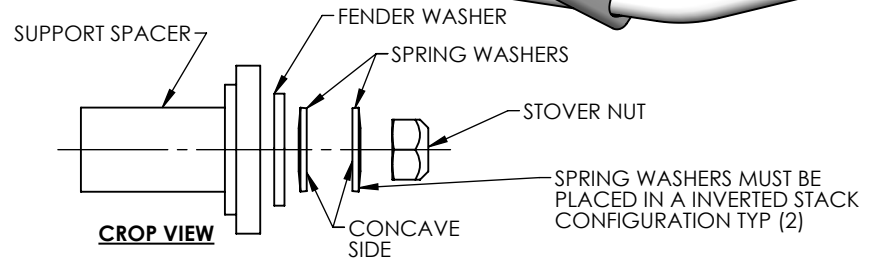
NUTS, SPRING WASHERS AND SUPPORT SPACER ARE INSTALLED AFTER BUMPER IS "PLUGGED" INTO TOW SOCKETS SEE DETAIL "A" AND CROP VIEW



DETAIL A



CROP VIEW



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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		

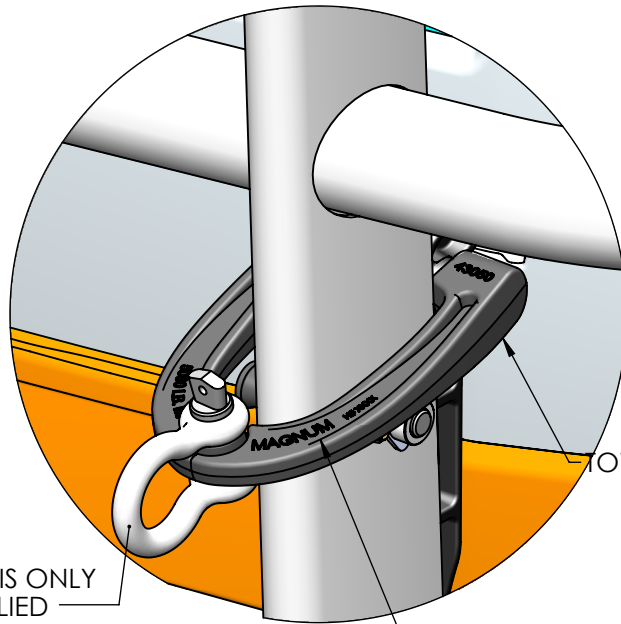
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

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

DIMENSIONS TO SHARP POINTS

SHEET NAME Sheet1		TITLE 17225 BUMPER ON 2015 WESTERN STAR 5700 1400in RAD	
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER	WEIGHT - LB.
WO#	DRAWN BY LS	DRAWN DATE 11/2/2017	REV. F
SCALE 1:4	MODELLER HM	DRAWING NUMBER AA-44539	NUMBER OF SHEETS 2

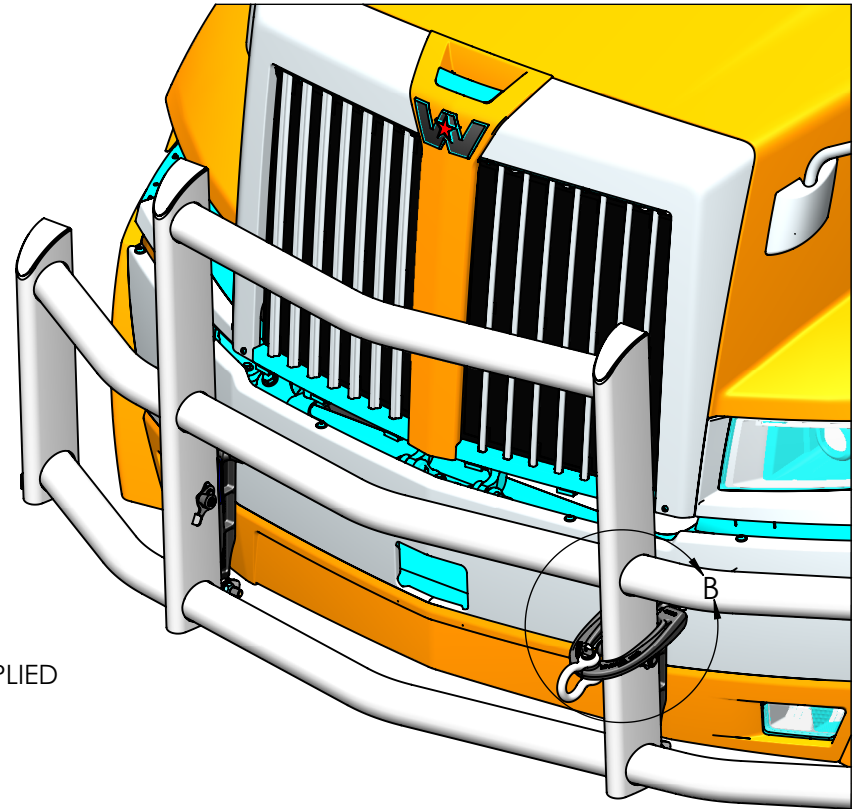
DETAIL B
SCALE 1 : 5



TOW-CLEVIS SUPPLIED

SECURE TOW-CLEVIS ONLY WITH SHACLE SUPPLIED

INSTALL & USE TOW COMPONENTS ONLY WHEN TOWING.
INSPECT TOWING COMPONENTS BEFORE INSTALLATION.



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
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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" +/- 1°
.XX" .XXX"
+/- 0.03" +/- 0.005"

DIMENSIONS TO SHARP POINTS

SHEET NAME Sheet2		TITLE 17225 BUMPER ON 2015 WESTERN STAR 5700 1400in RAD	
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER	WEIGHT - LB. 127.
WO#	DRAWN BY LS	DRAWN DATE 11/2/2017	REV. F
SCALE 1:4	MODELLER HM	DRAWING NUMBER AA-44539	NUMBER OF SHEETS 2