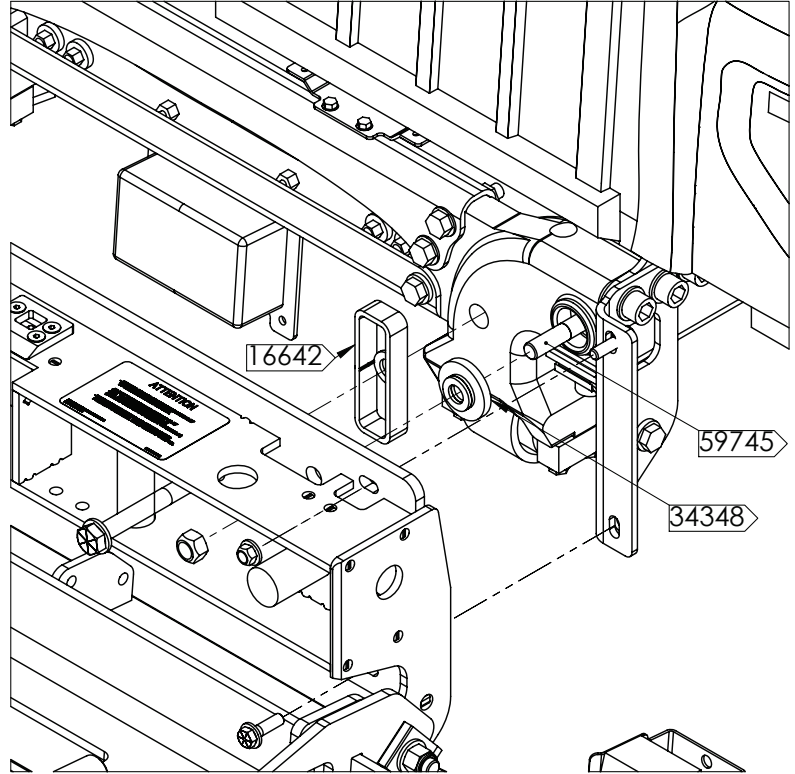


**INSTALLING 17278 ON WESTERN STAR 49X SFA**

1. REMOVE OEM BUMPER FROM TRUCK
2. UNINSTALL RADAR FROM TRUCK.
3. INSTALL TOW MOUNT ASSEMBLY 59745 (2) INTO THE TOW RECIEVERS. LOCK IT INTO THE BACK OF THE TOW RECIEVER BY PUSHING IT AGAINST THE SPRING AND TURNING THE TOW MOUNT A QUARTER TURN.
4. ADD THE WASHER PLATE 34348 (2) AND 3/4" GR.8 FLAT WASHERS (4 TOTAL, 2 PER SIDE) ONTO THE TOW MOUNT ASSEMBLIES 59745 (2).
5. PLACE THE SPACER ASSEMBLY 16642 (2) BEHIND THE STEEL ASSEMBLY IN THE VERICAL POSITION AS ILLUSTRATED. SUPPORT THE SPACER BY USING THE 3/4" X 5 3/4" GR.8 HEX BOLT (2) WHEN ATTACHING THE BUMPER.
4. ATTACH THE BUMPER TO THE TRUCK USING THE FOLLOWING SUPPLIED HARDWARE:  
 1/2" X 1 3/4" GR.8 HEX BOLT (4)  
 1/2" GR.C STOVER NUT (4) (TORQUE SPEC = 80FT-LBS)  
 1/2" GR.8 FLAT WASHER (8)  
 3/4" X 5 3/4" GR.8 HEX BOLT (2)  
 3/4" GR.8 FLAT WASHER (2)  
 3/4" GR.C STOVER NUT (4) (TORQUE SPEC = 282FT-LBS)
5. INSTALL FOG LIGHTS IN BUMPER. (SEE SHEET 2)
6. INSTALL RADAR ON BRACKET AND THEN INTO THE BUMPER. (SEE SHEET 3)



**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 +/- 1/16"  
 ANGLES +/- 1°  
 .XX" +/- 0.03"  
 .XXX" +/- 0.005"  
 DIMENSIONS TO SHARP POINTS

SHEET NAME <b>BUMPER</b>	TITLE <b>17278 ON 2021 WESTERN STAR 49X SFA TOW RECIEVERS TRUCK</b>		
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER	WEIGHT - LB. 378.
WO#	DRAWN BY MD	DRAWN DATE 8/4/2021	CHECKED BY LS
SCALE 1:12	MODELLER MD	DRAWING NUMBER <b>AA-59056</b>	CHECKED DATE 8/12/2021
			REV. <b>A</b>
			NUMBER OF SHEETS 3

### INSTALLING FOG LIGHT

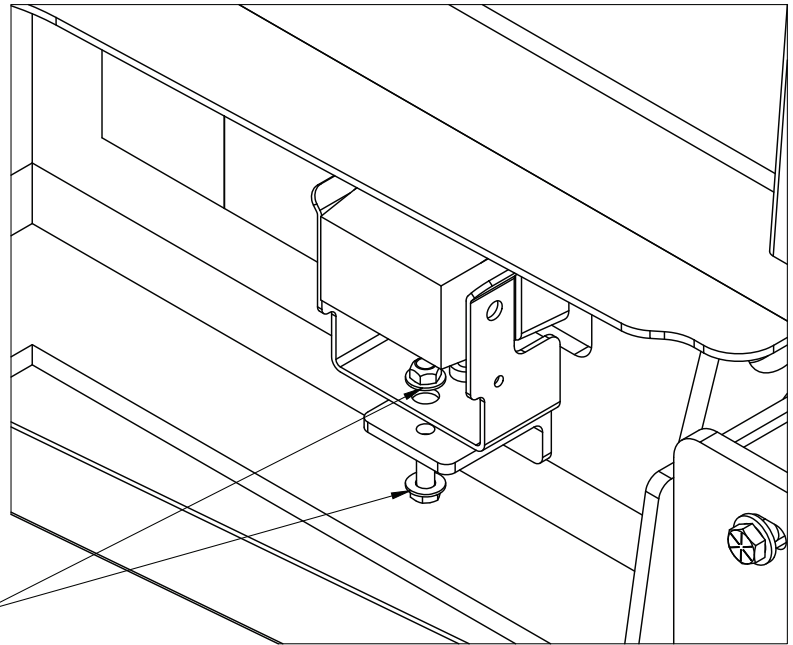
1. ATTACH FOG LIGHT TO THE ANGLE ALUMINUM BRACKET USING THE SUPPLIED HARDARE AND OEM HARDARE:

**SUPPLIED:**

- 3/8" X 1" GR.5 HEX BOLT (2)
- 3/8" GR.C STOVER NUT (2)
- 3/8" GR.2 FLAT WASHER (4)

**OEM HARDWARE:**

- M10 HEX BOLT (2)
- M10 WASHER (2)



SUPPLIED HARDWARE

<b>MAGNUM TRAILER &amp; EQUIPMENT INC.</b>  	<b>FRACTIONS CHART</b>				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    ANGLES +/- 1/16"    +/- 1° .XX"        .XXX" +/- 0.03"   +/- 0.005"	SHEET NAME		TITLE			
						FOG LIGHT		17278 ON 2021 WESTERN STAR 49X SFA TOW RECIEVERS TRUCK			
						CURRENT CUSTOMER		STOCK NUMBER		VENDOR NUMBER	WEIGHT - LB.
						WO#		DRAWN BY	DRAWN DATE	CHECKED BY	CHECKED DATE
				DIMENSIONS TO SHARP POINTS		SCALE		DRAWING NUMBER		NUMBER OF SHEETS	
						1:12		AA-59056		3	

**INSTALLING RADAR**

1. FISH THE RADAR WIRE THROUGH THE HOLE ON THE BACK OF THE STEEL ASSEMBLY.

2. ATTACH THE RADAR TO THE RADAR BRACKET USING THE FOLLOWING HARDARE:

- 1/4" X 1" GR.5 NC HEX BOLT (3)
- 1/4" GR.2 NC NYLOC NUT (3)

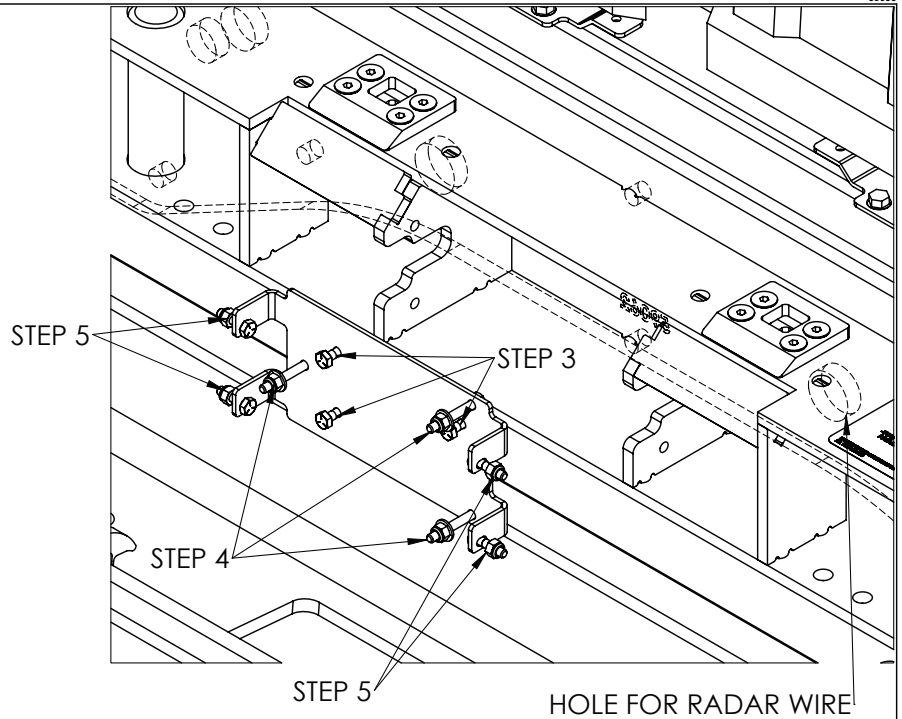
3. PLUG IN THE RADAR

4. INSTALL THE RADAR COVER ONTO THE BRACKET USING THE SUPPLIED HARDWARE:

- 1/4" X 1 3/4" GR.5 NC HEX BOLT (3)
- 1/4" GR.2 FLAT WASHER (3)
- 1/4" GR.2 NC NYLOC NUT (3)

5. INSTALL THE RADAR BRACKET WITH ATTACHED RADAR INTO THE BUMPER USING THE SUPPLIED HARDWARE:

- 1/4" X 1" GR.5 NC HEX BOLT (4)
- 1/4" GR.2 NC STOVER NUT (4)



**NOTE:**

IF EQUIPED, RADAR MUST BE REMOVED BEFORE BUMPER INSTALLATION.  
 RADAR MUST BE RE-CALIBRATED AFTER BUMPER INSTALLATION.  
 CALIBRATION CAN ONLY BE DONE BY AUTHORIZED PERSONNEL

<b>MAGNUM TRAILER &amp; EQUIPMENT INC.</b> 	<b>FRACTIONS CHART</b>				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS +/- 1/16" ANGLES +/- 1° .XX" +/- 0.03" .XXX" +/- 0.005" DIMENSIONS TO SHARP POINTS	SHEET NAME <b>RADAR</b>	TITLE <b>17278 ON 2021 WESTERN STAR 49X SFA TOW RECIEVERS TRUCK</b>			
	CURRENT CUSTOMER MD	STOCK NUMBER MD	VENDOR NUMBER LS	WEIGHT - LB. 378.		REV. A	W# MD	DRAWN DATE 8/4/2021	CHECKED BY LS	CHECKED DATE 8/12/2021
					SCALE 1:12	DRAWING NUMBER <b>AA-59056</b>				