



FIELD KIT

Vac-Tron Equipment, LLC

Trenchless
Okahumpka, FL 34762 USA

FIELD CAMPAIGN KIT # VVK00-0008 **DATE:** 30 June 2020

For Dealer Reference: Service Bulletin # SVV2020-012

Light Relocation, Reflector, Conspicuity Tape and Rear Extension Installation Kit

CAMPAIGN TYPE:	Mandatory-Product Safety
CAMPAIGN CATEGORY:	Kit and Bulletin

MACHINE / ATTACHMENT MODEL (S) :	Serial Numbers		Kit Version
	Included	Excluded	
CSGT	See attached listing on pages 18–19 of this Kit Instructions for specific VIN and Serial/Unit numbers	N/A	VVK01
CS873GT			
CS870GT			
CS870DT			
CS800GT			
CS573GT			
CS570GT			
CS500DT			
CS1273GT	See attached listing on Page 19 of this Kit Instructions for specific VIN and Serial/Unit numbers	N/A	VVK02
CS1270SGT			
CS1270GT			

	PRODUCT SAFETY ALERT
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PURPOSE: INADEQUATE LIGHTING, REFLECTORS, CONSPICUITY TAPE, AND REAR EXTENSION The lighting, side and rear reflectors and conspicuity tape do not meet US or Canada Federal Motor Vehicle Safety Standard (FMVSS/CMVSS) governmental regulation 108 for the United States, Canada and Mexico. The trailers may not have an extended lower rear chassis, reducing rear impact protection and does not meet US or Canada Federal Motor Vehicle Standard (FMVSS/CMVSS) government regulation 223 for the United States, Canada and Mexico. When towing or parking the vacuum excavator on public roadways, a crash may occur resulting in death **or serious injury** resulting from a driver(s) of other vehicle(s) not seeing the vacuum excavator at night or during limited sunlight and strike the vacuum excavator. To reduce the potential of this occurring, vehicle lights will be relocated, additional reflectors and conspicuity tape are being added. In the event of a rear impact crash, the other vehicle may travel under the rear of the vacuum excavator, increasing the risk of serious injury or death to someone in the other vehicle or to the towing vehicle occupants. Property or equipment damage may also occur.



WARNING: Failure to use shutdown procedure can result in unexpected hazard(s). Death or serious injury could result due to entanglement, crushing, cutting, or other hazardous contact. Follow Shutdown Procedure after operating, before performing any service or maintenance, and before transporting.

Shutdown Procedure

STOPPING THE MACHINE

For your safety and the safety of others, follow shutdown procedure before working on the machine for any reason, including servicing, maintaining, cleaning, inspecting, unclogging or transporting machine, or as otherwise directed in Operator's manual.

Step 1: Make sure end of vacuum hose is clear of all spoils, debris, and other materials.

Step 2: Push *Throttle Control* left several times to slow engine. Idle engine five minutes to allow vacuum pump (with *Reverse Flow Lever* – Neutral) to cool down. This helps to prevent the buildup of condensation.

Step 3: Turn *Keyswitch* OFF to shut down engine.

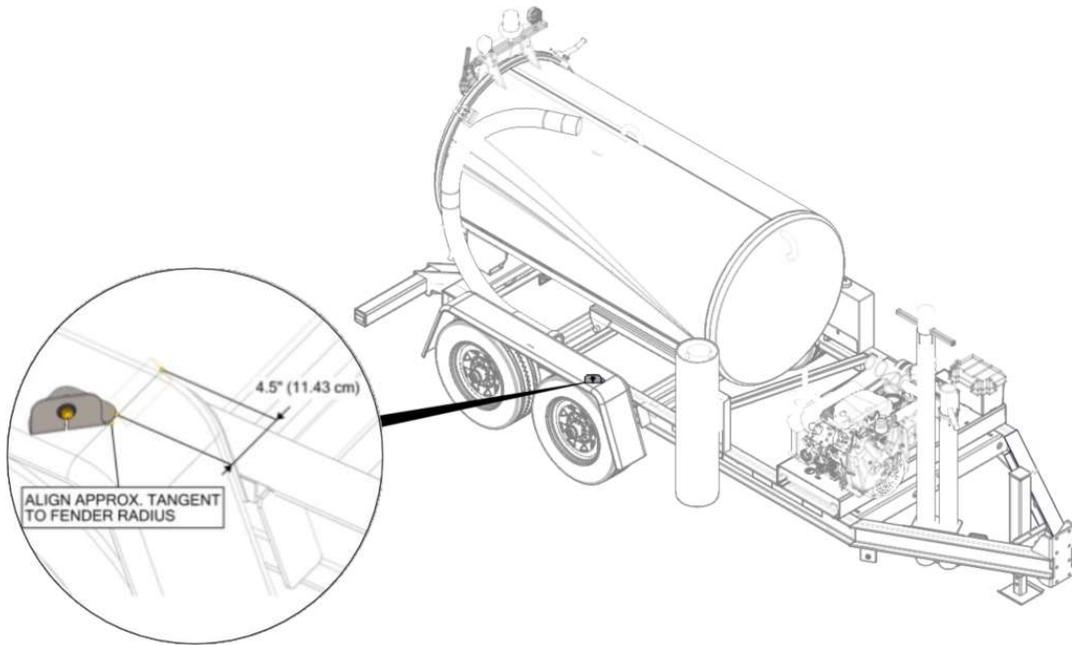
Step 4: Drain *Filter Housing*.



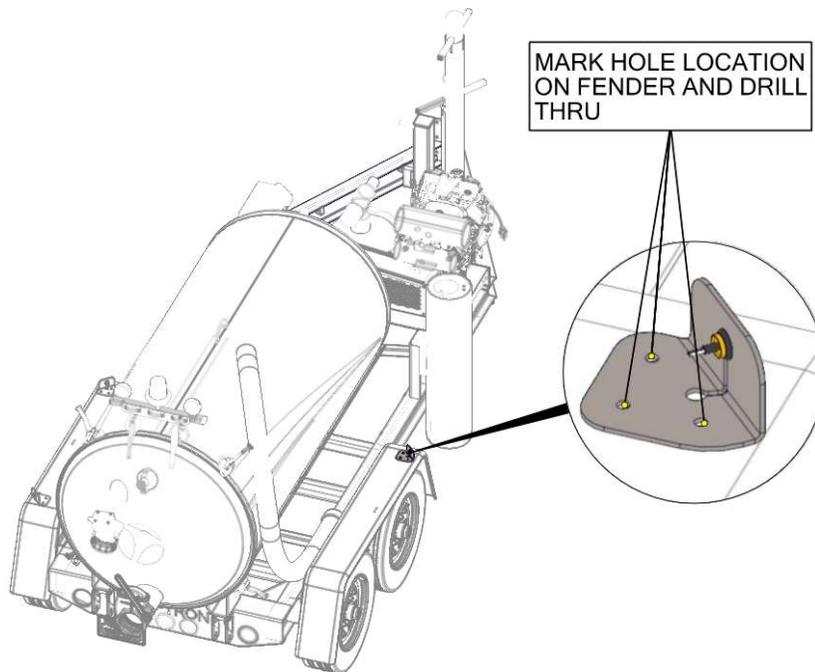
WARNING: Do not point high pressure water tool in the direction of people when relieving the pressure.

PROCEDURE 1:

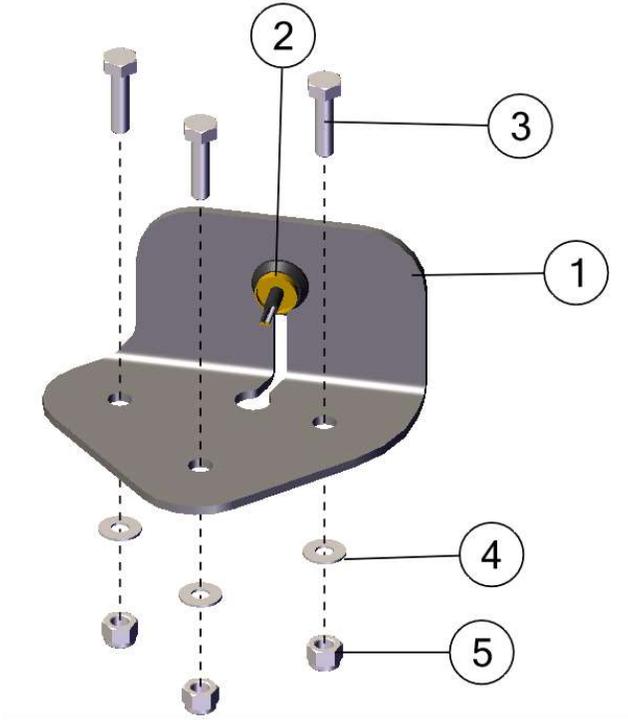
1. Select the angled bracket with the amber colored marker light. Align the bracket with the edge of the curb side fender as shown below. Ref. 1, Fig 1.



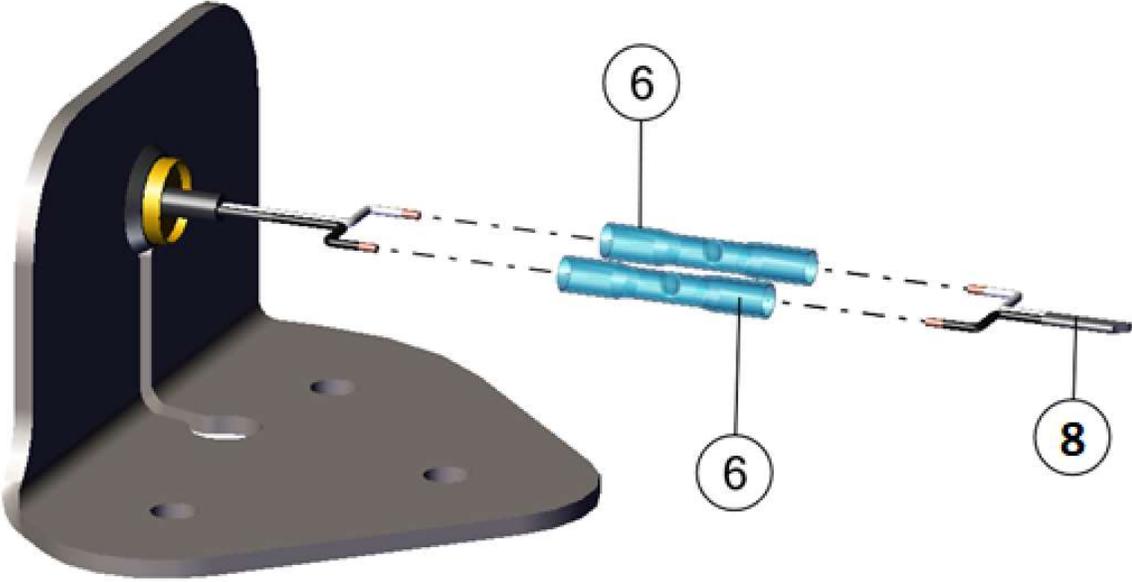
2. Mark the light bracket hole locations onto the fender and drill (3) Ø9/32" (7.15 mm) holes through the I-beam.



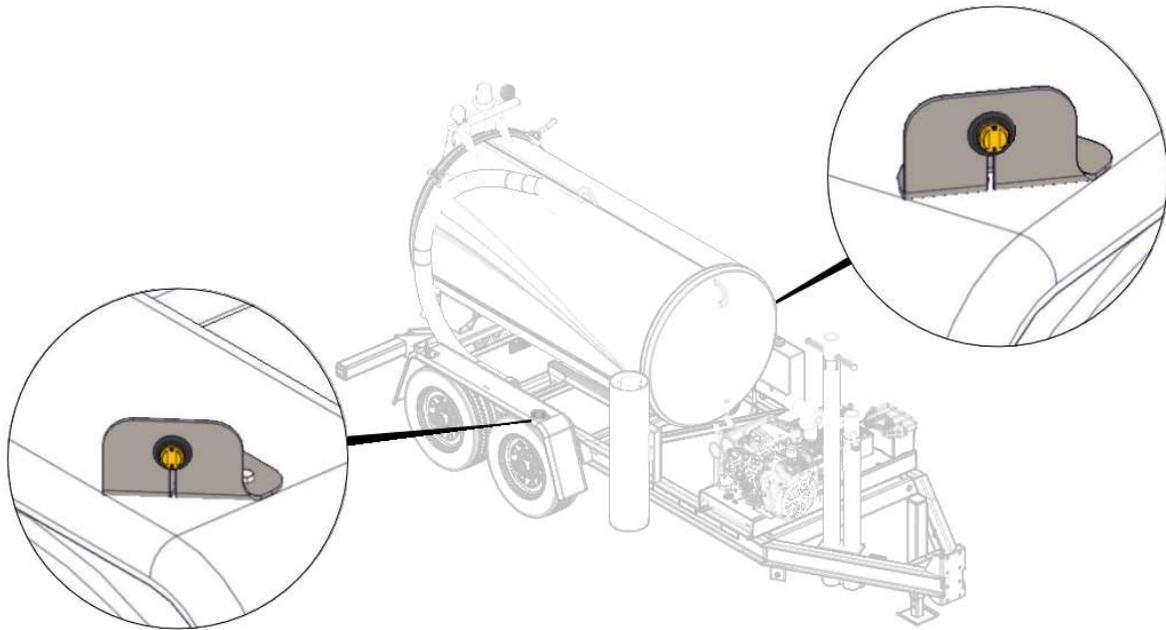
3. Attach the marker light bracket with the supplied hardware. Ref. 1, 2, 3, 4, and 5 Fig. 1.



4. Connect one end of the 10 ft (30 cm) length of dual core wire to the marker lamp using the butt connectors. Ref. 5 and 6, Fig. 1.

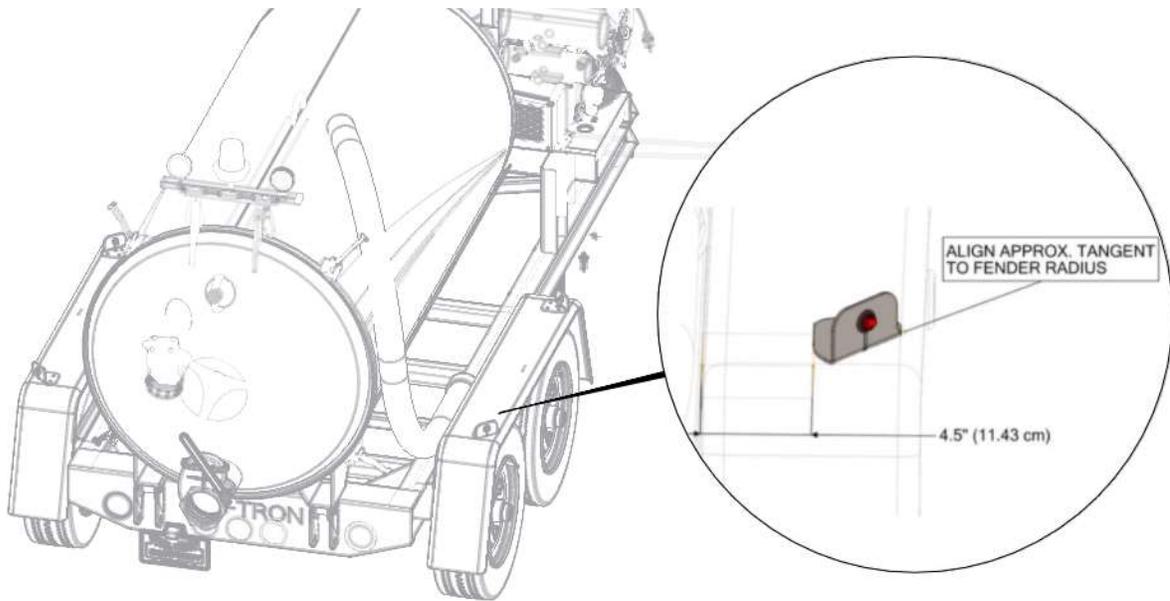


5. Complete all steps for the street side of the trailer.

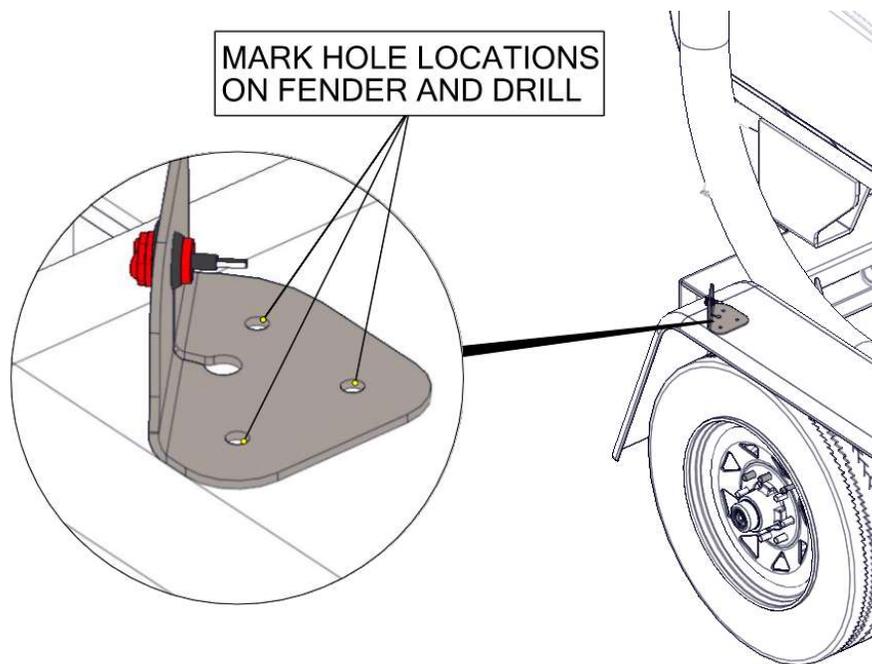


PROCEDURE 2:

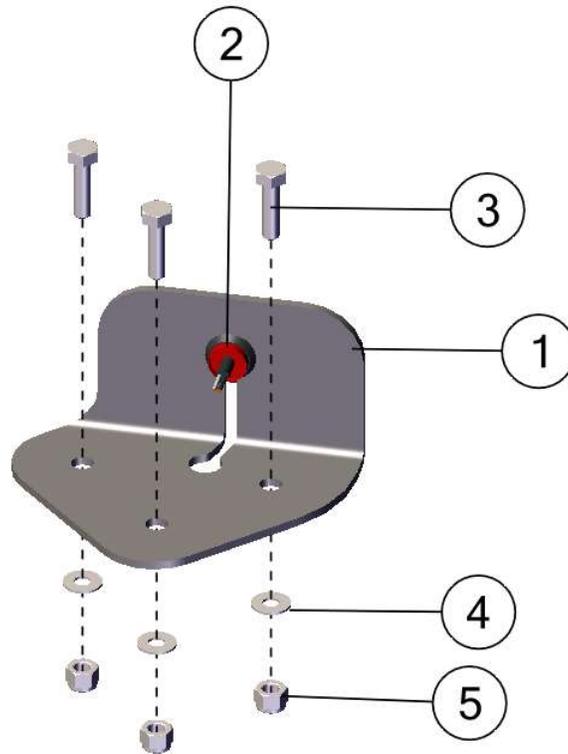
1. Select the angled bracket with the red colored marker light. Align the bracket with the edge of the curb side fender as shown below. Ref. 1, Fig 1.



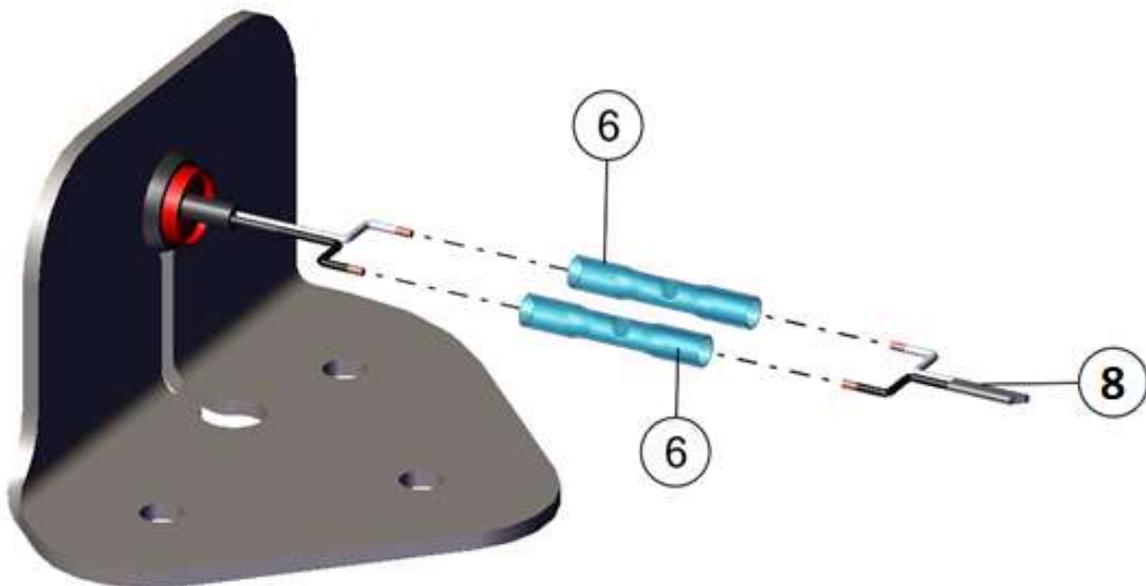
2. Mark the light bracket hole locations onto the fender and drill (3) $\text{Ø}9/32''$ (7.15 mm) holes through the I-beam.



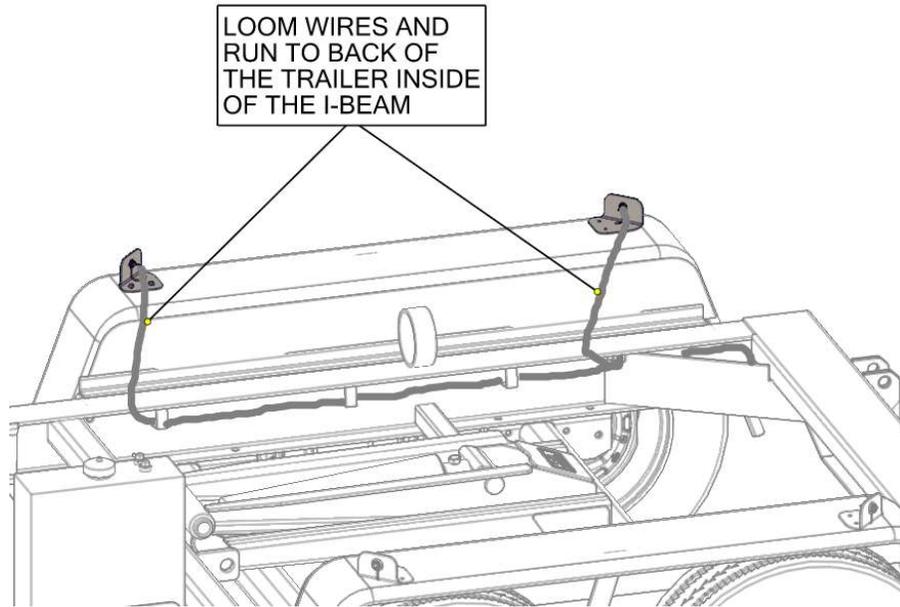
3. Attach the marker light bracket with the supplied hardware. Ref. 1, 2, 3, 4, and 5 Fig.2.



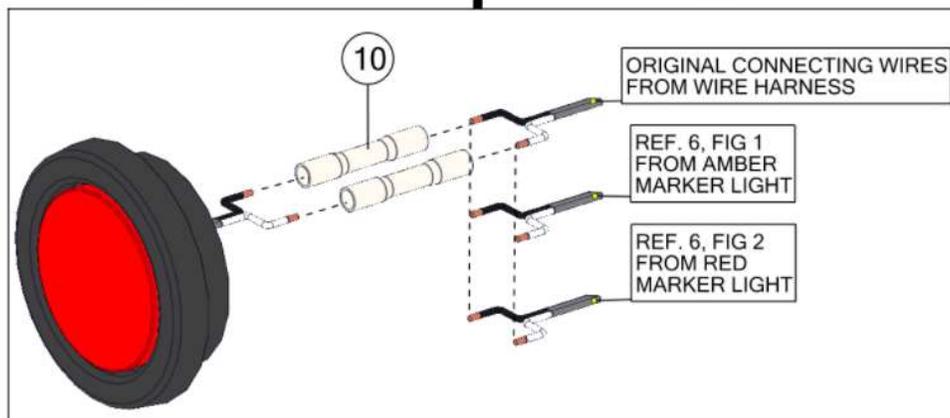
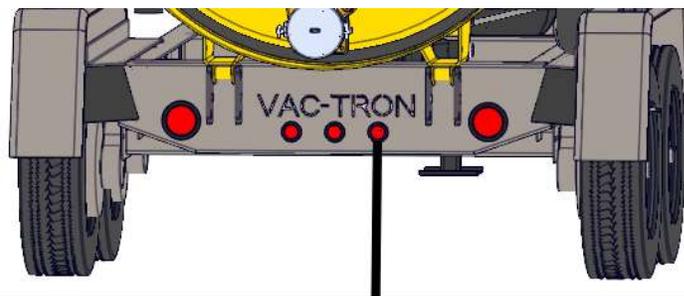
4. Connect one end of the 5 ft (152.4 cm) length of dual core wire to the marker lamp using the butt connectors. Ref. 5 and 6, Fig.



5. Loom all exposed wires. Ref. 7, Fig1 and Ref. 7 Fig. 2.

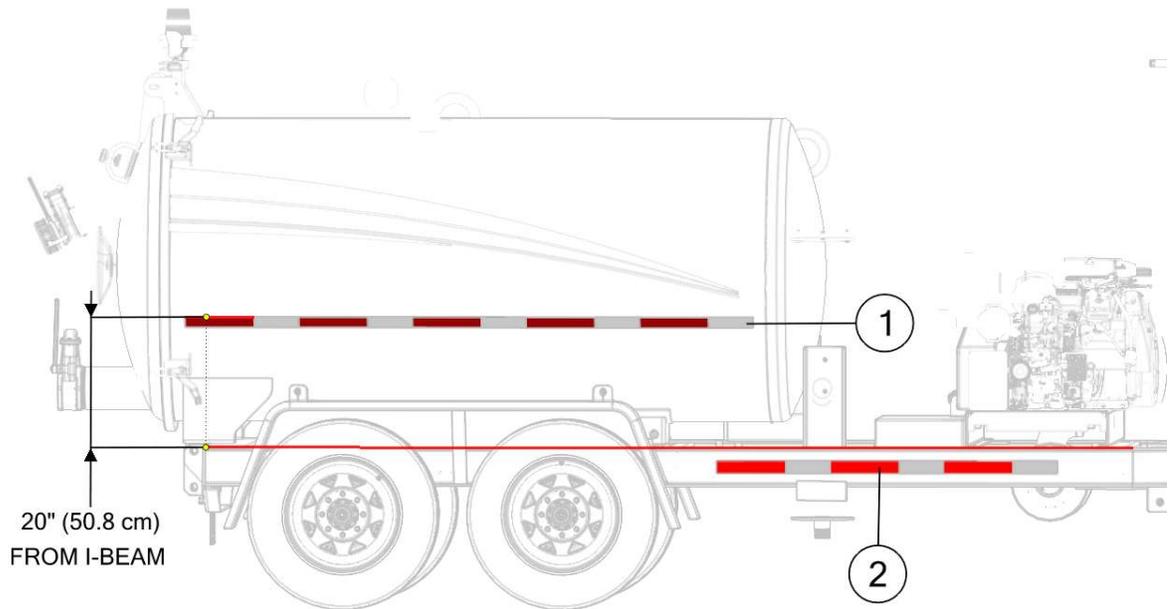


6. Connect wires from the amber marker light, red marker light on the fender to the red marker light in the bumper as shown using the heat shrink butt connectors.



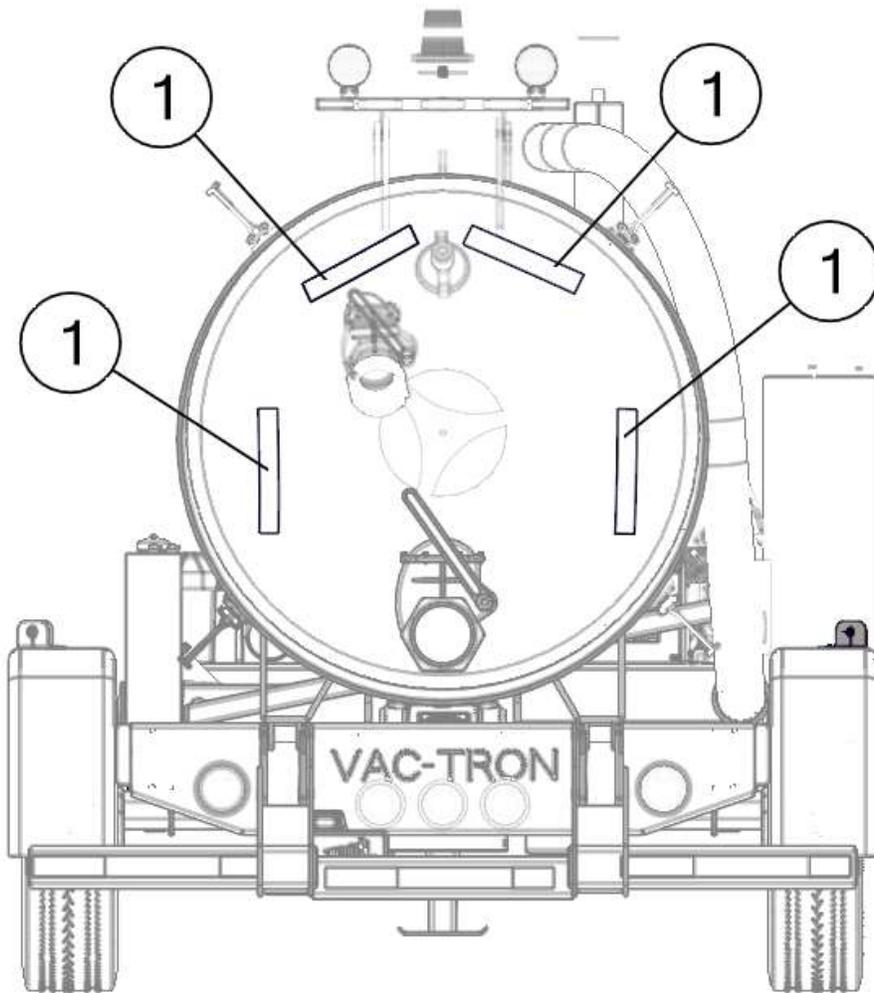
PROCEDURE 3:

1. Clean area where the conspicuity tape will be installed with light soap and water. Areas with damaged paint or heavy corrosion should be prepped, painted, and thoroughly dry before applying conspicuity tape.
2. Refer to the illustration and install the conspicuity tape in the locations shown. Ref. 1 and 2, Fig. 3.
3. Repeat for the opposite side of the trailer.



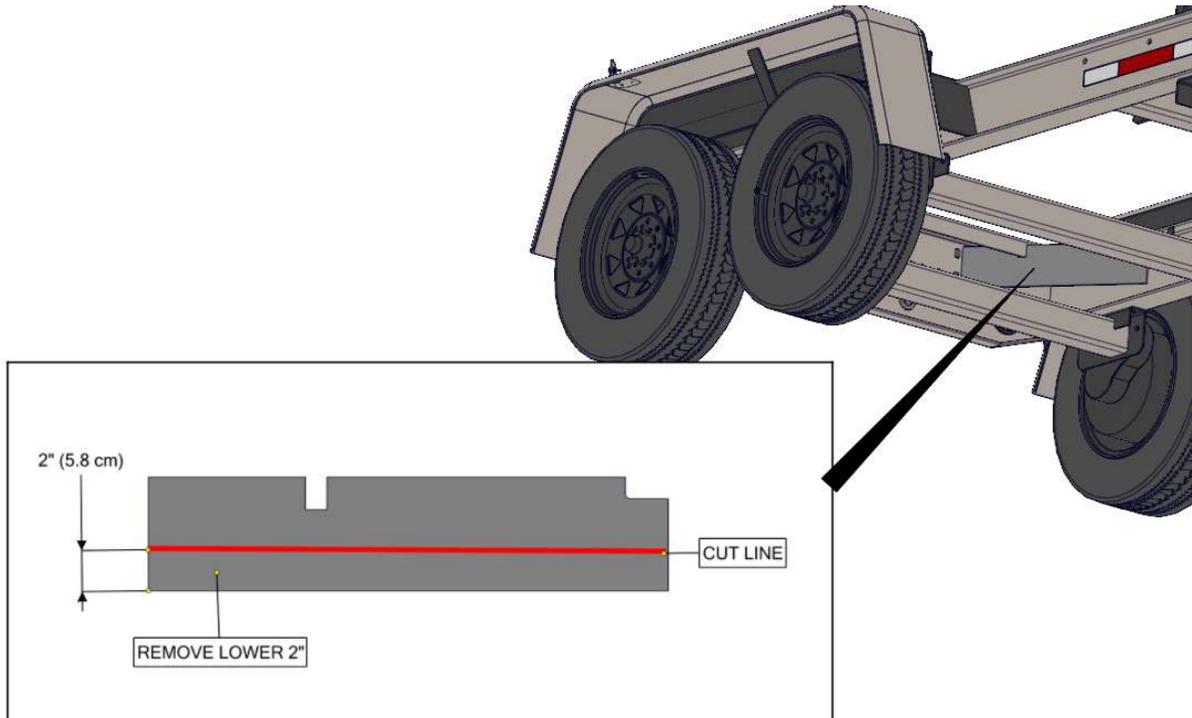
PROCEDURE 4: (APPLIES TO KIT VVK01 AND VVK03)

1. Clean area where the conspicuity tape will be installed with light soap and water. Areas with damaged paint or heavy corrosion should be prepped, painted, and thoroughly dry before applying the conspicuity tape.
2. Refer to the illustration and install each of the white conspicuity tape on the debris tank door Ref 1, Fig. 4.

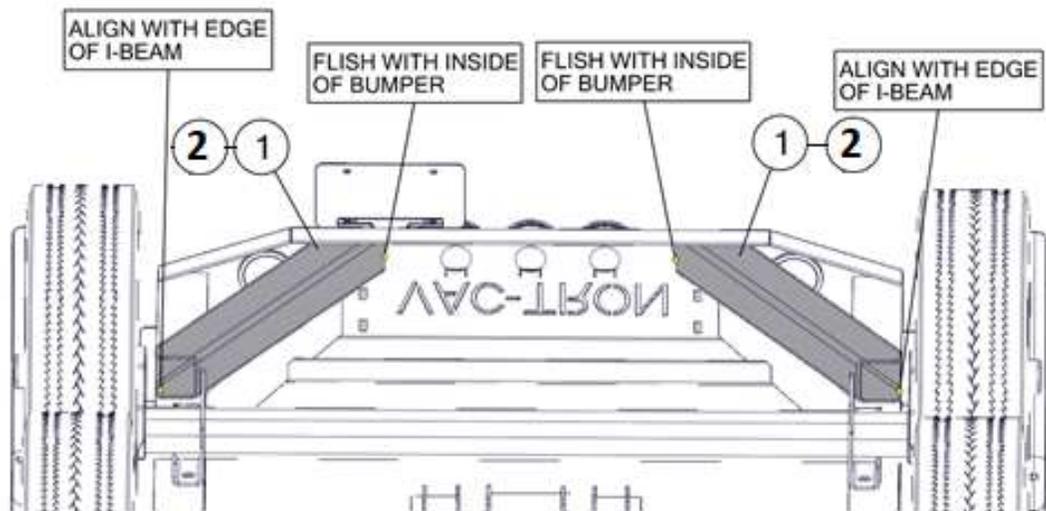


PROCEDURE 5:

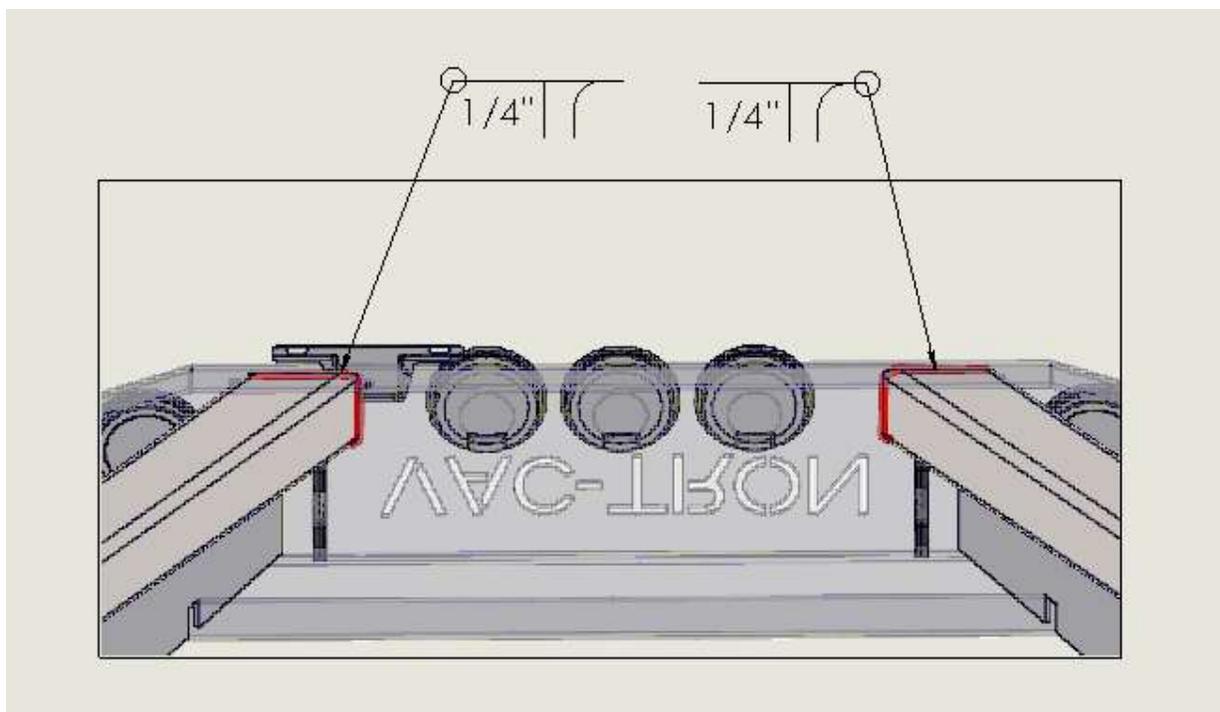
1. For units with kit **VVK01**, skip to set 2. For units with kit VVK02 (CS1200), use a grinder to remove 2" from the corner stiffener located under the trailer. Repeat on opposite side of trailer.

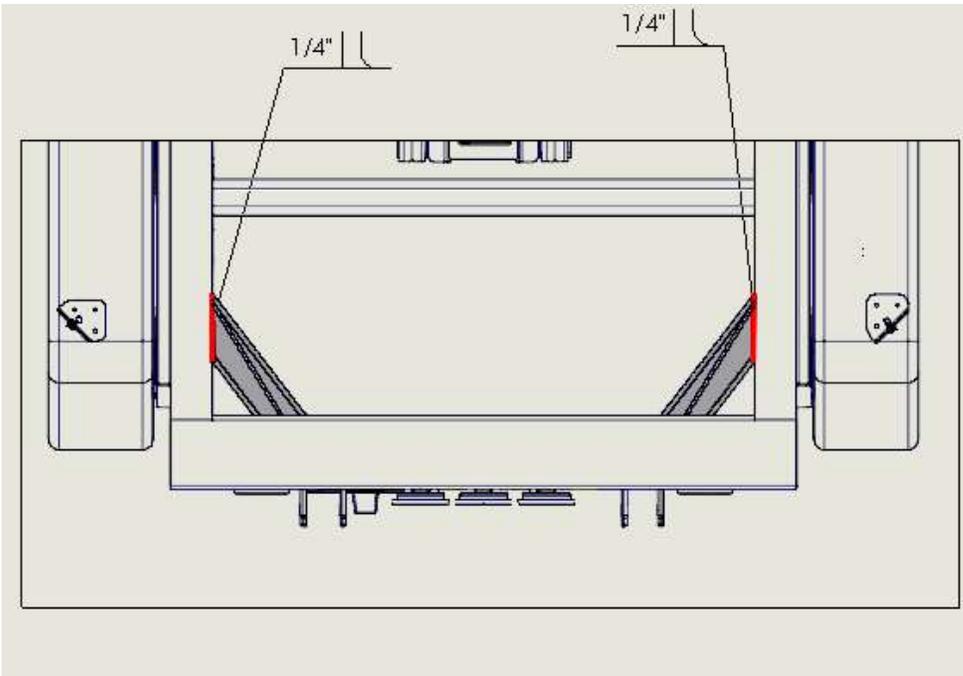
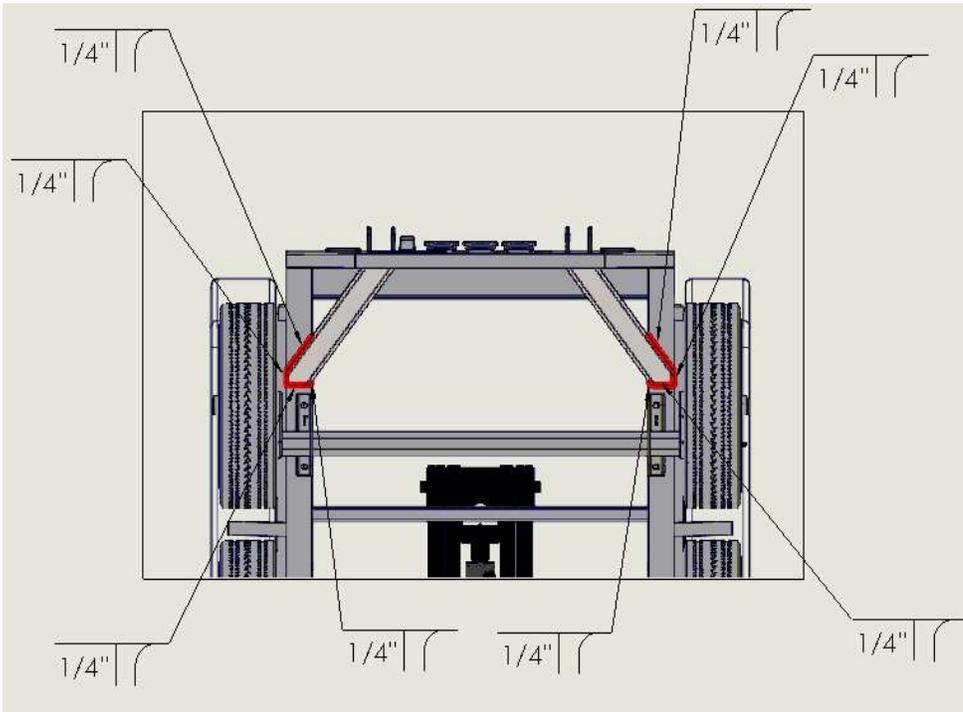


2. Grind off the paint and rust where the cross members provided are to be installed. Refer to the figure in Step 2.
3. Position the reinforcement members as indicated below Ref. 1 or 2 Fig. 5.



4. Weld the reinforcement members into place as indicated in the figures below.





PROCEDURE 6:

RAISED LOAD CAN FALL

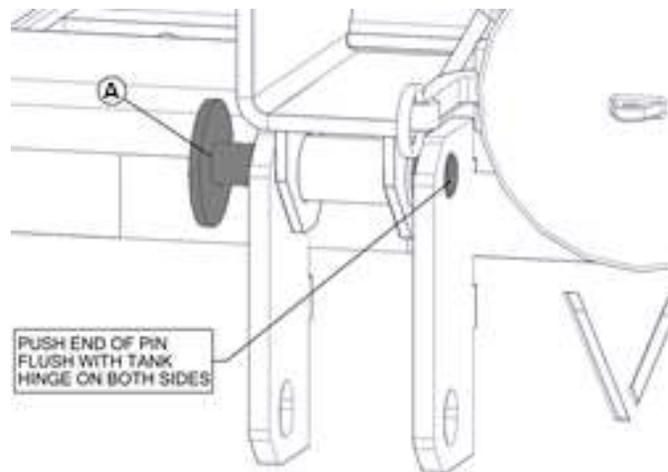


WARNING: Raised load can shift or fall. Death or serious injury could be possible if struck or crushed by falling load. Never allow anyone under a raised load unless load is securely supported to prevent it from shifting or falling.

1. Ensure the debris tank is empty. Using suitable blocking, block debris tank to prevent shifting. Debris tank weighs approximately 1,000 lb (455 kg).
2. Remove the cotter pin on both sides.

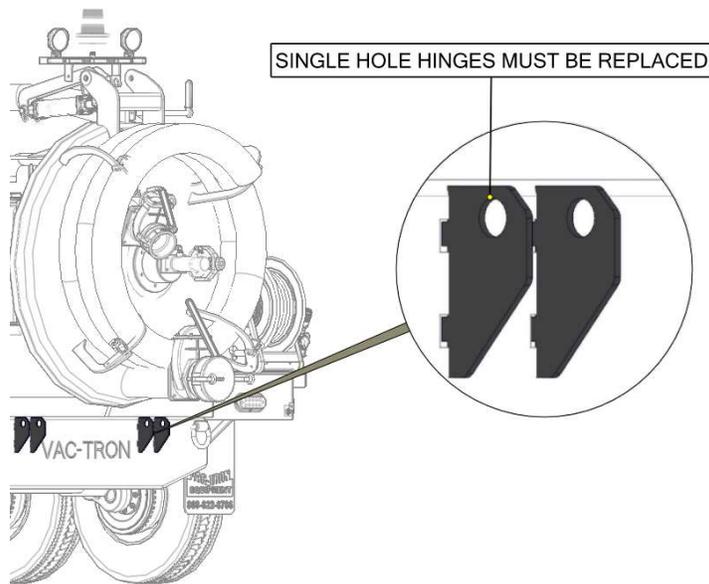


3. Push the headed pins out to be flush with the inner side of the tank hinges. Be careful not to push the pin through the hinge.

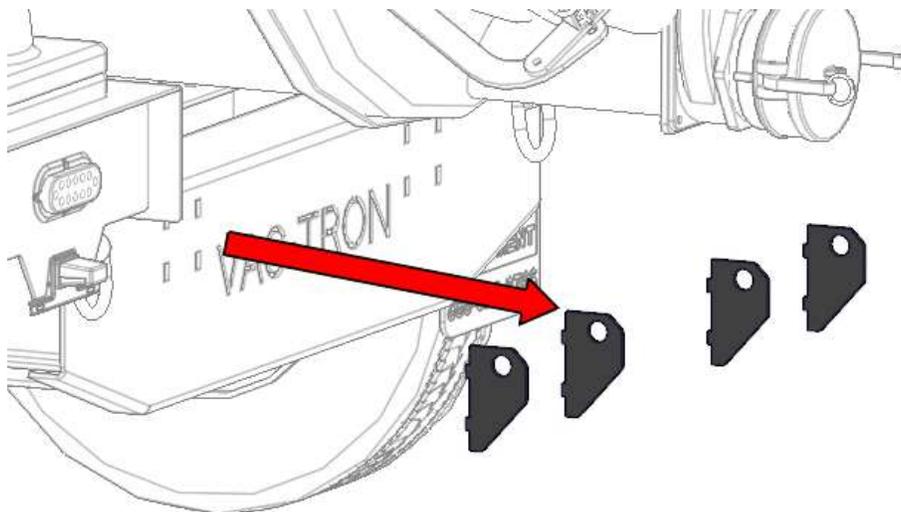


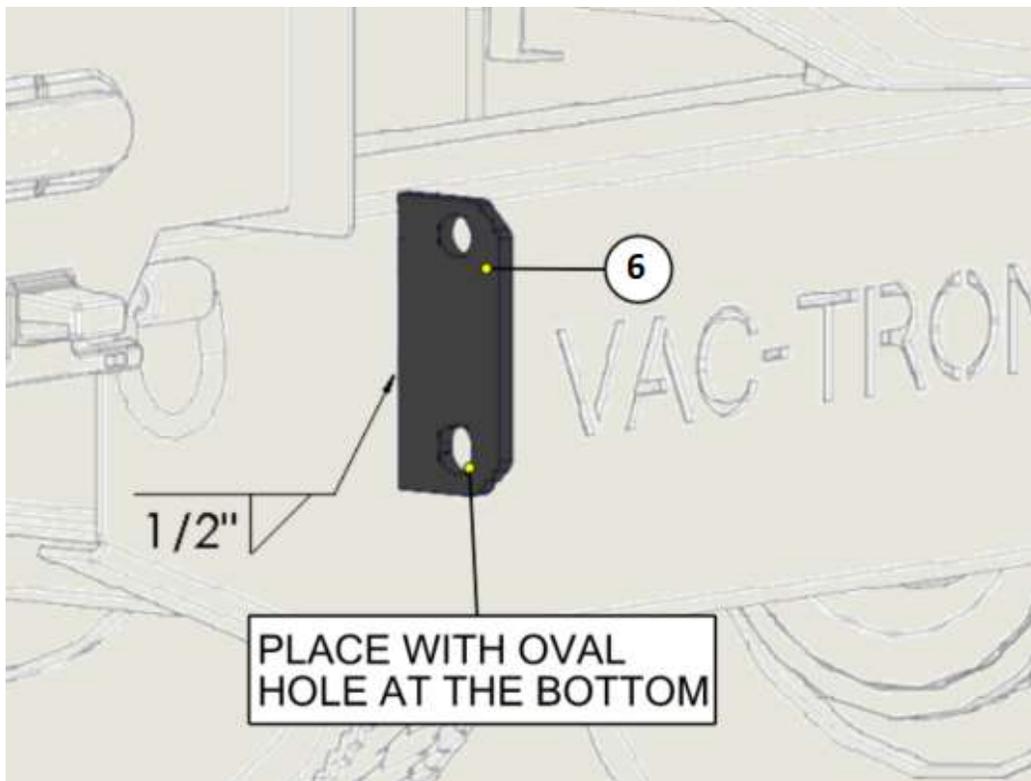
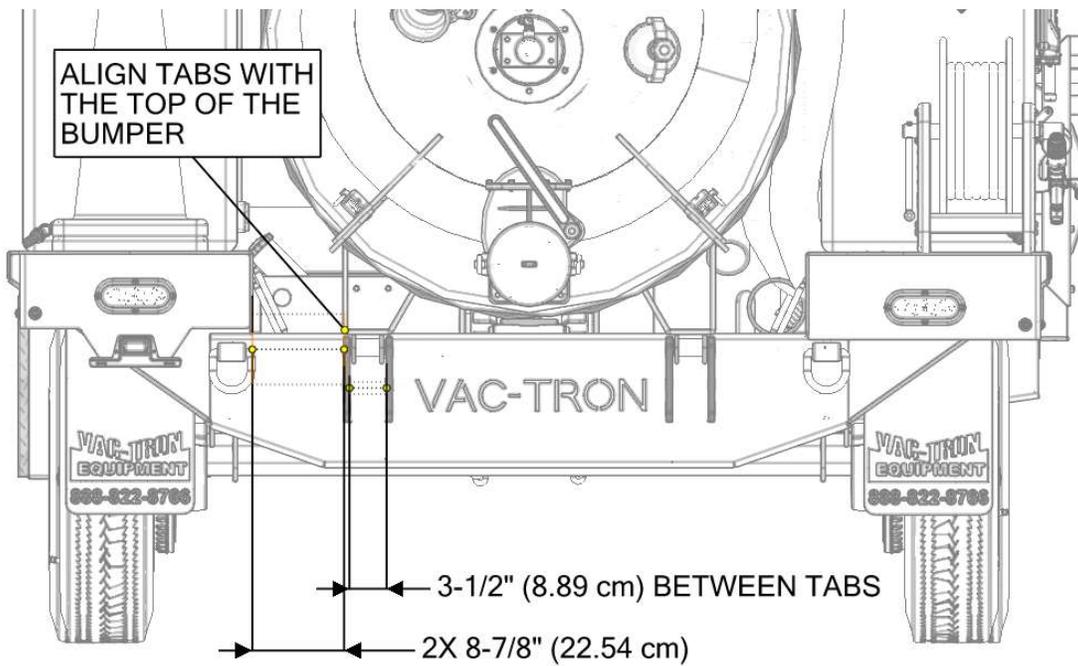
4. Push the headed pins out to be flush with the inner side of the tank hinges. Be careful not to push the pin through the hinge.

5. Use a suitable lifting device when installing the bumper. Bumper weight is approximately 120 lb (55 kg).
6. Inspect the tank hinges connected to the bumper. Hinges with the single hole configuration shown must be replaced. If the hinges have a 2-hole configuration, skip to step 9.

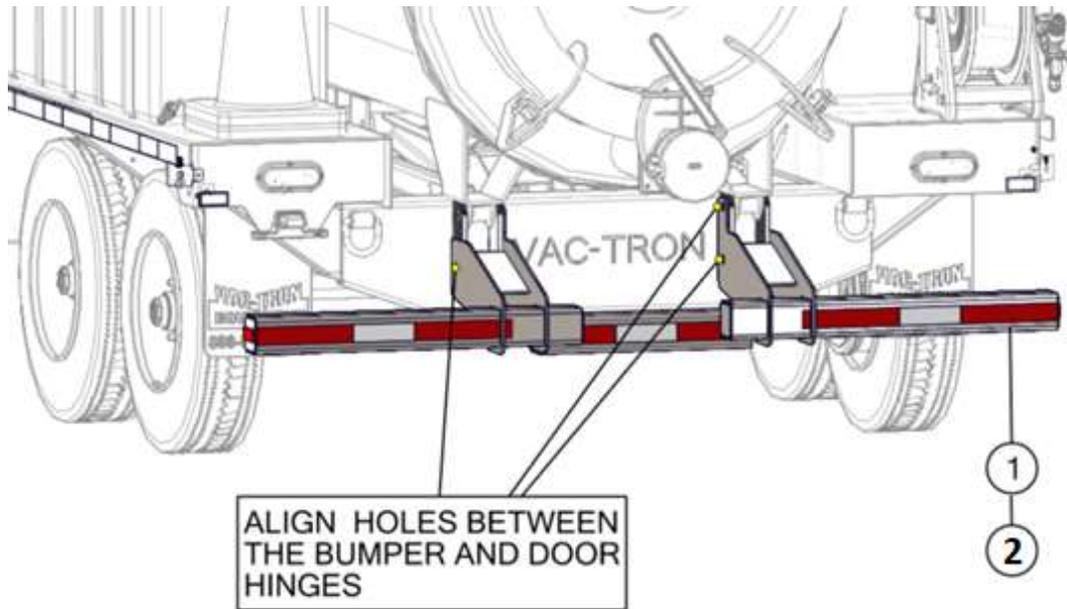


7. Use a cutting torch to remove the (4) tank hinges from the bumper. Grind away residual slag.





8. Remove all damaged paint down to bare metal. Repaint all affected areas.
9. Install the bumper and align the bolt holes with the tank hinges.



10. Push the headed pins back into position and replace the cotter pins on both sides.
11. Install the hardware Ref. 3, 4, and 5 Figure 6. Tighten the bolts to 644 ft-lb (873 Nm).

AFFECTED MACHINES - VVK01-0008					
MODEL	VIN	SERIAL/UNIT	MODEL	VIN	SERIAL/UNIT
CS870GT	5HZBF1625HLKH1441	171497	CS870GT	5HZBF1625HLHH1313	171336
CS500DT	5HZBF1624GLDG1147	161099	CS870GT	5HZBF1620HLHH1333	171371
CS570GT	5HZBF1419GLEG3103	161158	CS870GT	5HZBF1621HLHH1339	171380
CS570GT	5HZBF1621JLBJ1151	181084	CS870GT	5HZBF1628HLHH1340	171381
CS573GT	5HZBF162XJLBJ1150	181078	CS870GT	5HZBF1622HLHH1351	171391
CS573GT	5HZBF1628JLEJ1351	181389	CS870GT	5HZBF1624HLHH1352	171392
CS800GT	5HZBF1623GLKG1277	161325	CS870GT	5HZBF1626HLJH1400	171432
CS800GT	5HZBF1621GLLG1278	161326	CS870GT	5HZBF1629HLKH1426	171477
CS800GT	5HZBF1623GLLG1279	161327	CS870GT	5HZBF1626HLLH1466	171547
CS800GT	5HZBF1624HLEH1214	171208	CS870GT	5HZBF1628HLLH1467	171548
CS800GT	5HZBF1620HLDH1188	171215	CS870GT	5HZBF1622JLAJ1155	181082
CS800GT	5HZBF1629JLHJ1416	181492	CS870GT	5HZBF1620JLBJ1156	181083
CS800GT	5HZBF1629KLAK1134	191131	CS870GT	5HZBF1625JLAJ1120	181089
CS870DT	5HZBF1621HLJH1370	171428	CS870GT	5HZBF1623JLCJ1171	181110
CS870GT	5HZBF1622GLBG1125	161066	CS870GT	5HZBF1629JLCJ1174	181118
CS870GT	5HZBF1620GLCG1126	161068	CS870GT	5HZBF1620JLCJ1175	181119
CS870GT	5HZBF1622GLCG1127	161069	CS870GT	5HZBF1622JLCJ1176	181120
CS870GT	5HZBF1623GLCG1136	161084	CS870GT	5HZBF1624JLCJ1177	181121
CS870GT	5HZBF1628GLDG1149	161111	CS870GT	5HZBF1626JLCJ1178	181122
CS870GT	5HZBF1624GLDG1150	161112	CS870GT	5HZBF1624JLCJ1180	181123
CS870GT	5HZBF1628GLFG1190	161186	CS870GT	5HZBF1623HLJH1399	181133
CS870GT	5HZBF1621GLFG1192	161190	CS870GT	5HZBF1628JLEJ1270	181263
CS870GT	5HZBF1623GLFG1193	161191	CS870GT	5HZBF162XJLEJ1271	181264
CS870GT	5HZBF1625GLFG1194	161192	CS870GT	5HZBF1620JLEJ1280	181276
CS870GT	5HZBF1627GLFG1195	161193	CS870GT	5HZBF1628JLEJ1303	181309
CS870GT	5HZBF1620GLJG1251	161297	CS870GT	5HZBF1624JLFJ1382	181346
CS870GT	5HZBF1626GLLG1292	161347	CS870GT	5HZBF1626JLEJ1333	181358
CS870GT	5HZBF1628HLAH1141	171069	CS870GT	5HZBF1625JLEJ1341	181379
CS870GT	5HZBF1627HLBH1148	171081	CS870GT	5HZBF1629JLEJ1343	181387
CS870GT	5HZBF1626HLCH1175	171135	CS870GT	5HZBF1620JLEJ1344	181388
CS870GT	5HZBF1628HLCH1176	171137	CS870GT	5HZBF1626JLEJ1347	181391
CS870GT	5HZBF1622HLDH1189	171154	CS870GT	5HZBF162XJLHJ1392	181396
CS870GT	5HZBF1620HLDH1191	171157	CS870GT	5HZBF1621JLHJ1393	181442
CS870GT	5HZBF1626HLEH1215	171209	CS870GT	5HZBF1629JLJJ1430	181486
CS870GT	5HZBF1628HLEH1216	171210	CS870GT	5HZBF1620JLHJ1417	181497
CS870GT	5HZBF1625HLFH1239	171240	CS870GT	5HZBF162XJLKJ1486	181648
CS870GT	5HZBF1621HLFH1254	171258	CS870GT	5HZBF1625JLKJ1492	181659
CS870GT	5HZBF162XHLFH1267	171276	CS870GT	5HZBF1629JLKJ1494	181662
CS870GT	5HZBF1621HLFH1268	171277	CS870GT	5HZBF1624JLMJ1506	181698
CS870GT	5HZBF1628HLGH1285	171307	CS870GT	5HZBF1627KLAK1150	191159
CS870GT	5HZBF1625HLGH1292	171308	CS870GT	5HZBF1629KLAK1151	191169
CS870GT	5HZBF1622HLGH1296	171312	CS870GT	5HZBF1620KLAK1152	191197

AFFECTED MACHINES - VVK01-0008						
MODEL	VIN	SERIAL/UNIT		MODEL	VIN	SERIAL/UNIT
CS870GT	5HZBF1624KLMJ1572	191232		CS873GT	5HZBF1625JLMJ1501	181683
CS873GT	5HZBF1629HLLH1459	171533		CS873GT	5HZBF1622KLKJ1502	191139
CS873GT	5HZBF1624JLDJ1246	181225		CSGT	5HZB192W4KK002001	191288
CS873GT	5HZBF1626JLDJ1247	181226		CSGT	5HZB192W3KK002006	191372
CS873GT	5HZBF1628JLDJ1248	181227				

AFFECTED MACHINES - VVK02-0008						
MODEL	VIN	SERIAL/UNIT		MODEL	VIN	SERIAL/UNIT
CS1270GT	5HZBF1922JLAJ2110	181135		CS1273GT	5HZBF1921JLHJ2278	181500
CS1270GT	5HZBF1924JLCJ2146	181076		CS1273GT	5HZBF1929JLKJ2348	181705
CS1270SGT	5HZBF1923HLJH2211	171145				

Figure 1

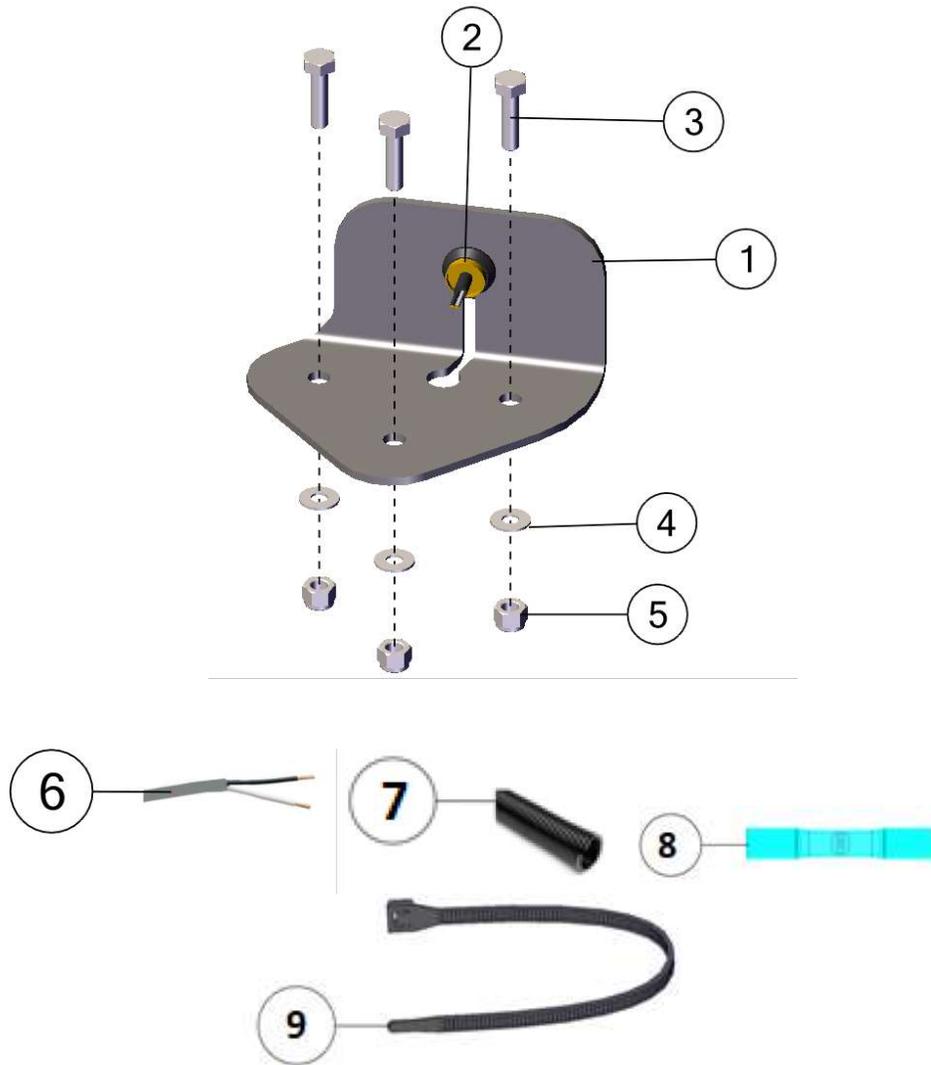


FIGURE 1 Parts List

REF. NO.	PART NO.	DESCRIPTION	VVK01 QTY.	VVK02 QTY
1	135500266	MARKER LIGHT BRACKET	2	2
2	P-4190	LED MARKER LIGHT, AMBER	2	2
3	P-1473	1/4-20 X 1 HEX HEAD BOLT	6	6
4	P-1472	1/4 ID FLAT WASHER	6	6
5	P-2782	1/4-20 NYLON LOCKNUT	6	6
6	P-1054	10' (304.8 cm) LENGTH DUAL CORE CONDUCTOR WIRE	2	2
7	P-2762	1/2" SPLIT WIRE LOOM, 10' (304.8 cm) LENGTH	1	1
8	P-2369	16-14 HEAT SEAL BUTT CONNECTOR BLUE	4	4
9	P-1301	ZIP TIE	12	12

Figure 2

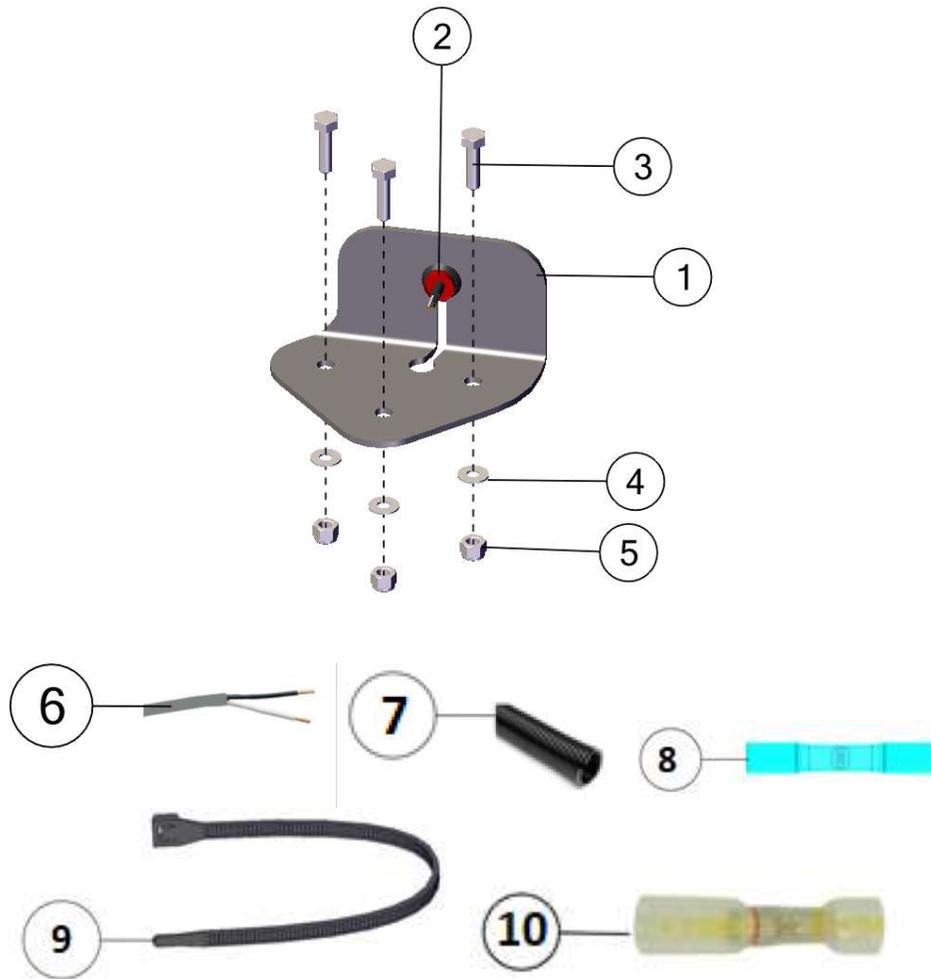


FIGURE 2 Parts List

REF. NO.	PART NO.	DESCRIPTION	VVK01 QTY.	VVK02 QTY.
1	135500266	MARKER LIGHT BRACKET	2	2
2	P-4189	LED MARKER LIGHT, RED	2	2
3	P-1473	1/4-20 X 1 HEX HEAD BOLT	6	6
4	P-1472	1/4 ID FLAT WASHER	6	6
5	P-2782	1/4-20 NYLON LOCKNUT	6	6
6	P-1054	5' (152.4 cm) LENGTH DUAL CORE CONDUCTOR WIRE	2	2
7	P-2762	1/2" SPLIT WIRE LOOM, 5' (152.4 cm) LENGTH	1	1
8	P-2369	16-14 HEAT SEAL BUTT CONNECTOR BLUE	4	4
9	P-1301	ZIP TIE	12	12
10	135500217	12-10 HEAT SEAL BUTT CONNECTOR	4	4

Figure 3

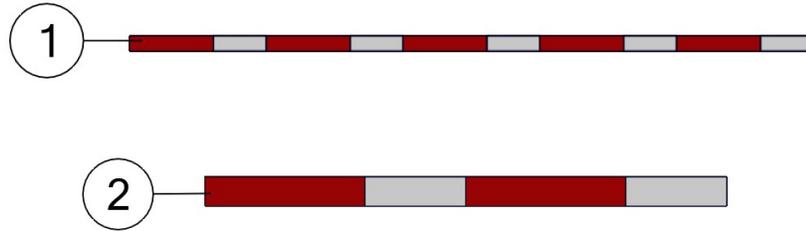


FIGURE 3 Parts List				
REF. NO.	PART NO.	DESCRIPTION	VVK01 QTY.	VVK02 QTY.
1	P-0485	2" (2.54 cm) WIDE, 90" (228.6 cm) LONG CONSPICUITY TAPE	2	2
2	P-0485	2" (2.5 cm) WIDE, 54"(137.2 cm) LONG CONSPICUITY TAPE	2	2

Figure 4

2



FIGURE 4 Parts List				
REF. NO.	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>VVK01 QTY.</u>	<u>VVK02 QTY.</u>
1	P-5783	WHITE CONSPICUITY TAPE, 12" LENGTH	4	4

Figure 5

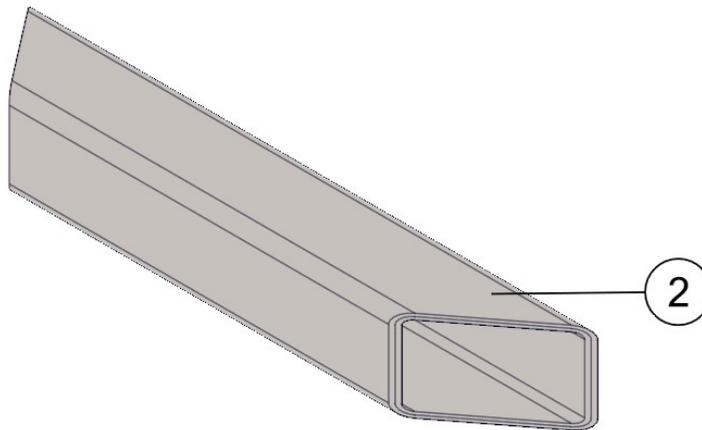
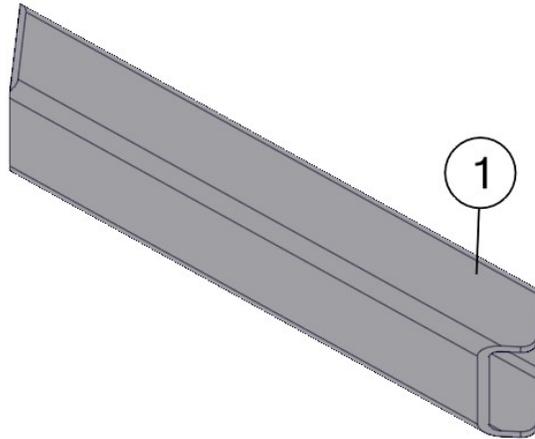


FIGURE 5 Parts List				
REF. NO.	PART NO.	DESCRIPTION	VVK01 QTY.	VVK02 QTY.
1	135500310	REINF. MEMBER	2	0
2	135500311	REINF. MEMBER	0	2

FIGURE 6

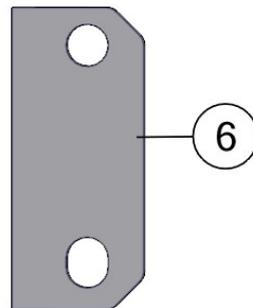
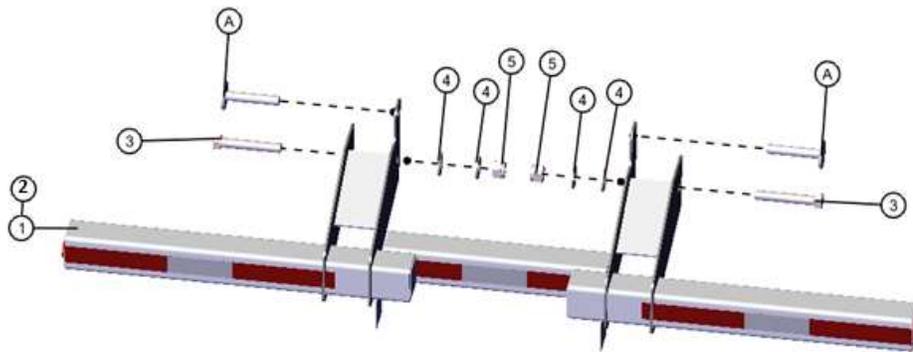


FIGURE 8 Parts List				
REF. NO.	PART NO.	DESCRIPTION	VVK01 QTY.	VVK02 QTY.
1	135500268	REAR EXTENSION	1	0
2	135500267	REAR EXTENSION	0	1
A	SA-4471	HEADED PIN (EXISTING ON TRAILER)	2	2
3	135500218	1-8 X 6-1/2 HEX BOLT	2	2
4	P-3827	1 ID FLAT WASHER	4	4
5	P-2626	1-8 PREVAILING TORQUE NUT	2	2
6	135500216	TANK HINGE BRACKET	4	4