



**THUNDERVISION
REAR BACKUP CAMERA KIT
INSTALLATION INSTRUCTIONS**

Kit #101735 21'-33'5" Model Trailers

Kit #101736 36'-45' Model Trailers

Kit #101737 48'-50' Model Trailers

PURPOSE:

This kit is used to install the ThunderVision rear backup camera system on your trailer.

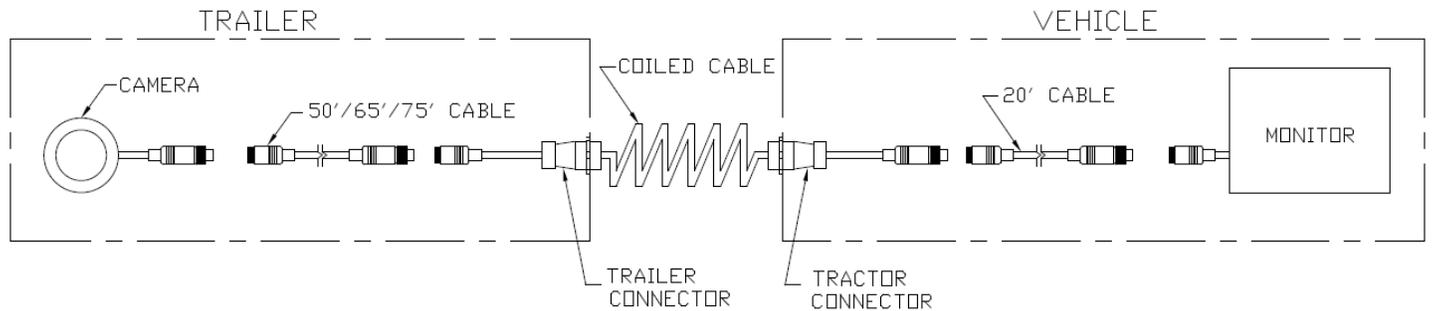
Tools Needed:

- 3/16" Drill Bit
 - Drill
- Phillips Screwdriver
- Hex Key (included)
 - 5/16" Wrench
 - #10 Wrench
 - 1" Hole Saw
 - Fish Tape

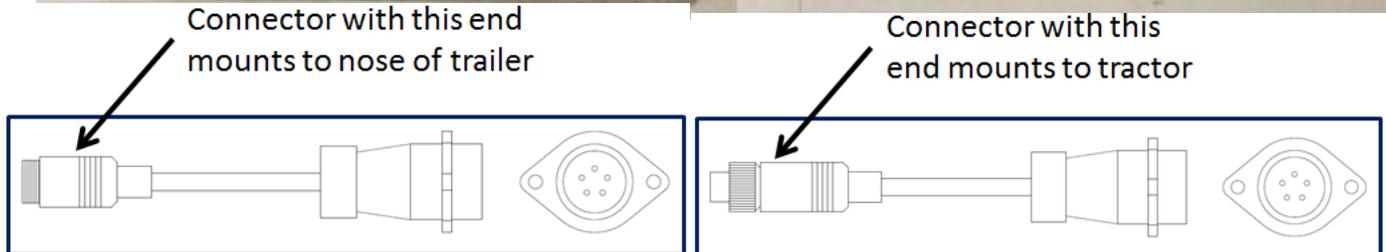
Parts List

#	Part Number	Description	Qty
1	021-35989	TYRAP W/PUSH IN BARB	6
2	032-01355	SCREW 1/4-20 X 1" SELF TAP	2
3	032-59249	SCREW 6-32 X 3/4" PAN HEAD SS	4
4	032-59250	NUT 6-32 LOCKNUT	4
5	034-59245	GROMMET	1
6	035-59230	CABLE POWER/VIDEO 20'	1
7	035-59231	CABLE POWER/VIDEO 50' (KIT 101735)	1
7	035-59232	CABLE POWER/VIDEO 65' (KIT 101736)	1
7	035-59233	CABLE POWER/VIDEO 75' (KIT 101737)	1
8	035-59234	CAMERA	1
9	035-59235	MONITOR 7 INCH (3 CAMERA INPUTS)	1
10	035-59237	KIT TRACTOR/TRAILER CONNECTOR W/ COILED CABLE	1
11	041-59229	BRACKET CAMERA BACKUP	1

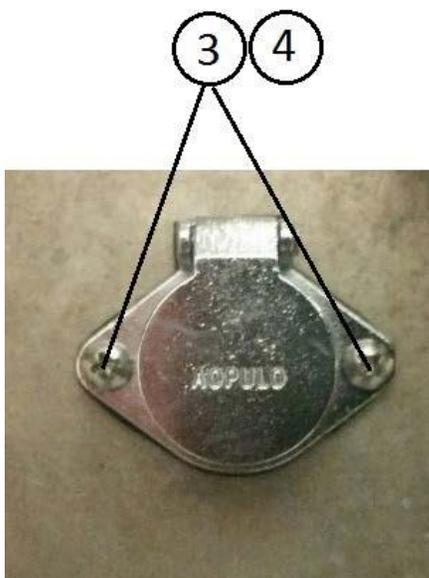
Truck & Trailer Schematic



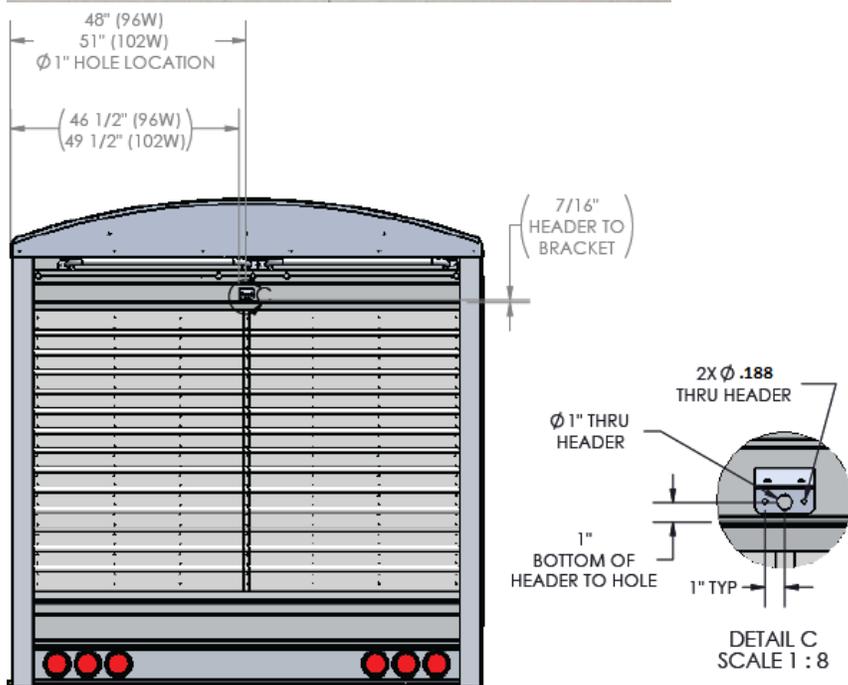
1. Drill a 1" hole through the nose doubler plate. Use the tractor/trailer connector as a template to mark the outer holes. Drill two 3/16" holes in outer locations. **Use caution while drilling, making sure all wires and air lines are out of the way in coupler area.**



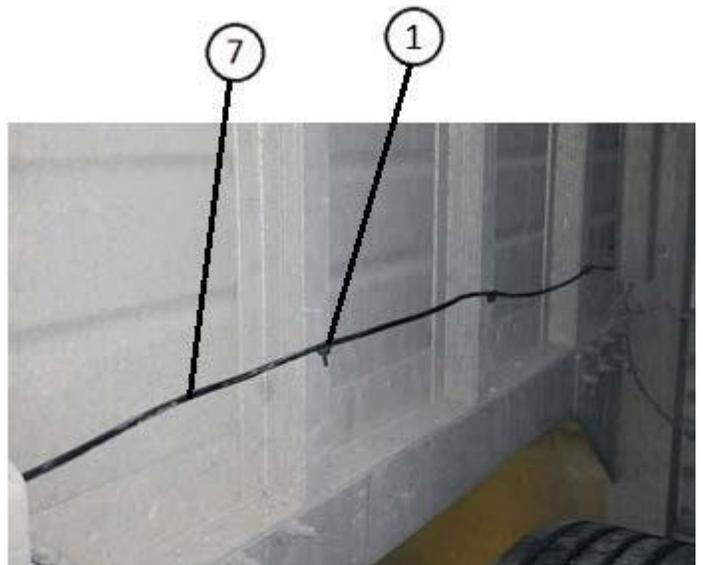
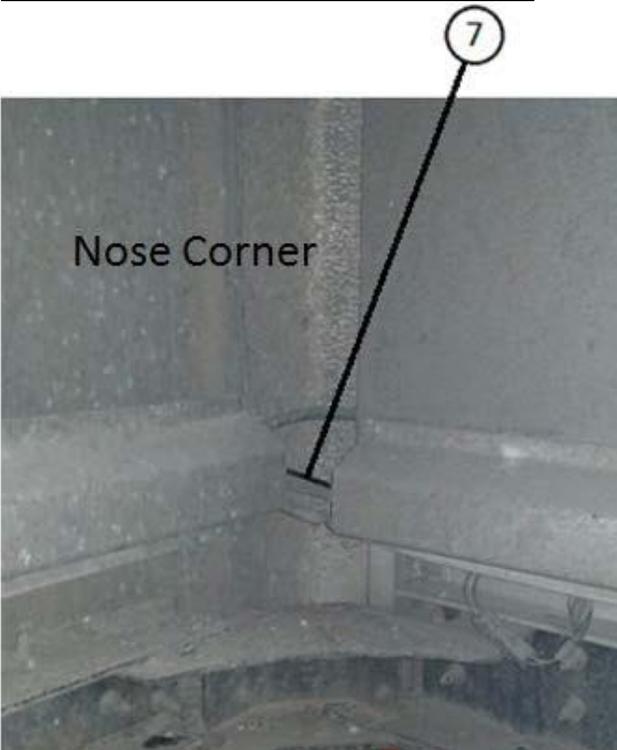
2. Fasten the connector to the nose of the trailer with the screws and locknuts.

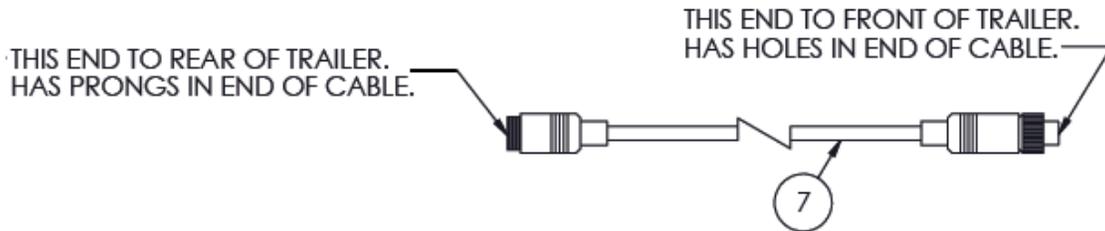


3. Drill a 1" hole through the rear header. Use the camera bracket as a template to mark the outer holes. Drill two 3/16" holes in the outer locations. **Use caution while drilling, making sure all wires are out of the way in header area.**



4. Route the power/video cable through the curbside tub rail. At the front of the trailer, route inside the harness covers if available. Connect the power/video cable to the connector cable in the nose, slide the rubber protector over the connection. At the rear of the trailer, route along wall and inside the harness covers, if available, and up to the rear header. Route through the hole in the bottom side of the header if needed. Route power/video cable out the 1" hole in the header and connect to the camera in the following steps. Once all the connections are made use the tyrapts to secure the cables as needed.



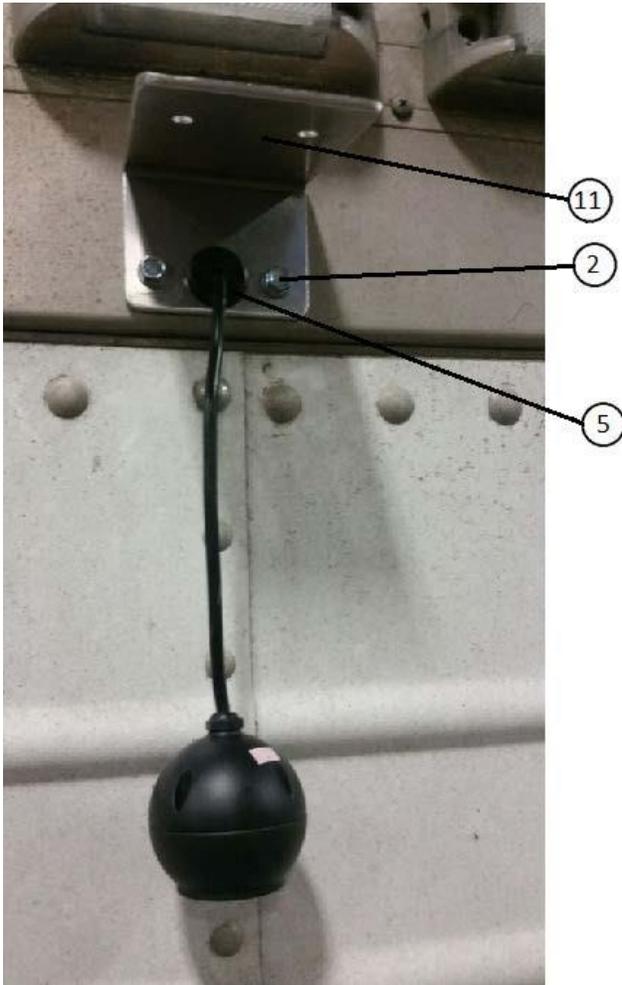


- 5. Disassemble the camera by removing the two hex head screws from camera. (hex keys included with camera)



Note: Half moon faces to front of camera

6. Split the grommet and fit it over the camera cable. Next, install the grommet into the camera bracket. Once the grommet is installed into the bracket, connect the camera cable to the power/video cable and fasten the bracket to the rear of the trailer.

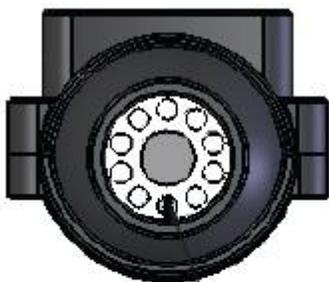


7. Install the camera mount bracket with the socket head screws and locknuts provided in the camera box.



Half moon faces outward

8. Reassemble the camera. Do not fully tighten the hex head screws so final adjustments can be made. Once the camera is positioned how you like, tighten the hex screws.



RED LINES TO
BE AT BOTTOM
LOCATION



9. Install the tractor flush mount connector on to the vehicle/truck.
10. Install the monitor according to the instructions included with monitor.
11. Test the system and adjust the camera as needed and check that all fasteners are tight.