

# NAV-TV

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## Trailer-CAM View (TCV) Kit

Trailer-Camera kit with auto switching reverse image for various trucks

*NTV-KIT920-KIT928*



BHM  
08/06/19  
NTV-DOC344

## Overview

The Trailer-CAM View (TCV) kit provides the easiest way to add a reverse camera to any trailer and automatically display on the OEM screen when connected. This plug & play system T-Harnesses into your OEM Chevy, Ford or RAM truck reverse camera harness (beneath the tailgate of the truck) and after mounting the camera and extension to the trailer, installation is complete! No cutting of factory harness is required – *no interface or complex installation behind the radio screen is required whatsoever – the entire system connects underneath the bed of the truck!* **NOTE: the vehicle must be equipped with an OEM reverse camera to be compatible with this kit.**

## Kit Content\*



Trailer camera extension cable



IP67-rated Trailer Camera  
NTV-CAM140



Trailer Tongue connection cable



Mountable Bulkhead Breakouts (x2)



Model-Specific TCV T-Harness with switching circuitry  
(Note: T-Harness will vary per kit)

\*excludes KIT927, which is not a T-Harness. KIT927 connects to OEM AUX camera input.

Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

TCV Compatibility

MAKE	YEAR/MODEL	Qualifier	TCV Model	T-Harness SKU*	OEM connector	Required TCV SKU
Chevy/ GMC	'14-'15 1500, '14 Canyon/Colorado	Year/Model Only	TCV-GM1	CAB149		<b>NTV-KIT920</b>
Chevy/ GMC	'16+ GMC/Chevy 1500 and '15+ HD2500+	Year/Model Only	TCV-GM2	CAB150		<b>NTV-KIT921</b>
Ford	'15-'16 F150, '19 Ranger		TCV-FORD1	CAB151		<b>NTV-KIT922</b>
Ford	'17+ F150 <i>with push button start only</i>		TCV-FORD1	CAB151		<b>NTV-KIT922</b>
Ford	'14+ SuperDuty (all), '19+ Ranger (chassis cab only) <i>--base-level SuperDutys need validation--</i>	Year/Model Only	TCV-FORD2	CAB152		<b>NTV-KIT923</b>
Ford	2017+ F150 <i>with blade key only</i>		TCV-FORD3	CAB153		<b>NTV-KIT924</b>
Ford	2016+ SuperDuty <i>with Ultimate Trailer Package (5-camera system) only</i>		TCV-FORD-AUX*	HAR346		<b>NTV-KIT927</b>
Ford	'13-'14 F150, 2017+ SuperDuty <i>wide-frame only</i>	Must Have Wide-Frame	TCV-FORD4	<i>--Coming Soon--</i>		<b>NTV-KIT928</b>
RAM	2013+ RAM 1500 and 2016+ RAM 2500/3500 (NOTE: not compatible with 2019 12" screen)	Year/Model Only	TCV-RAM1	CAB154		<b>NTV-KIT925</b>
RAM	2015 RAM 2500/3500	Year/Model Only	TCV-RAM2	CAB127	<i>--Coming Soon--</i>	<b>NTV-KIT926</b>

\*This kit is not a T-Harness, just a cable. It still connects at the rear tailgate to an un-used 12-PIN plug. This kit will display via factory 'AUX' display (ultimate tow package only), it will **not override OEM reverse camera** like all other kits.

## TCV Trailer Camera Installation notes

- To find the OEM camera harness to intercept, look underneath the rear bumper and trace the OE tailgate junction harness *which runs from the tailgate*. To verify you're at the right harness, you should **lose the reverse image** with the harness disconnected. Connect the provided **TCV T-Harness** between the connection point there (after disconnecting the OE harness).



- Drill a 7/8" hole on the bumper where the provided bulkhead connector will mount for trailer camera connection standby. Repeat this process for the second provided bulkhead connector on the trailer (the tongue connection cable connects between both).

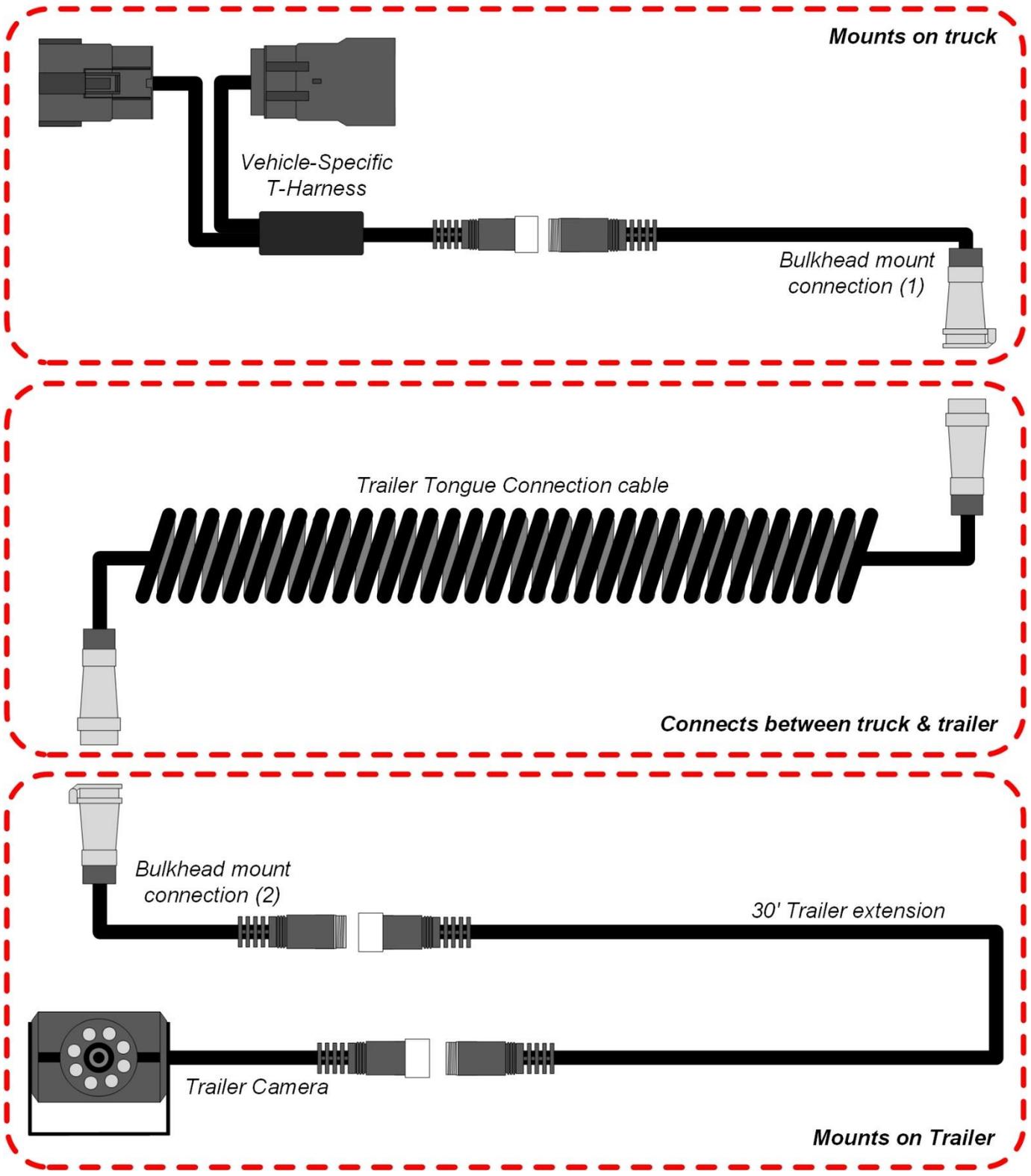


- For all kits, the provided **Trailer Camera** is powered from the new harness using the same 12V source as the OEM camera. There is no need to find a separate power source. All signals required are provided from the T-Harness, to the trailer connection point.
- Find a sturdy, logical location for securing the provided trailer-camera.
- When running the camera extension, be certain the cable does not interfere with any moving parts along the length of the trailer.
- Use caution when planning for where the tongue connection cable will rest between the trailer and the truck so that the full range of motion of the trailer tongue area is not inhibited.
- If your trailer is longer than 10m (30'), extension cables are available in 5m or 10m lengths. *Contact NAV-TV to purchase separately (561-955-9770).*
- Once complete, placing the truck in reverse with a trailer fully connected will show the trailer-camera image on the OEM screen. When no trailer is connected, upon reverse, the OEM tailgate reverse camera will show normally.



**NOTE:** Ford trucks equipped with the 'Pro Trailer Back-Up Assist' system will not function with this kit installed.

TCV Installation Diagram



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