

TRANSPARENT TRAILER VIEW

CUSTOMER SETUP GUIDE



GMC
WE ARE PROFESSIONAL GRADE

Before you buy a vehicle or use it for trailering, carefully review the trailering section of the Owner's Manual. The weight of passengers, cargo and options or accessories may reduce the amount you can tow.

GM reserves the right to make changes at any time, without notice, in prices, colors, materials, equipment, features, specifications and availability. Product information is preliminary and reflects approved content at time of publishing.

Copyright 2019, General Motors. All rights reserved. All text and images in this Guide are subject to the copyright and other intellectual property rights of GM. These materials may not be reproduced, distributed or modified without the express written permission of GM. The marks appearing in this catalog including, but not limited to: (i) GM and the GM logo, (ii) Chevrolet and its respective logos, emblems, vehicle and part names and vehicle and part designs, and (iii) other marks of third-party suppliers are trademarks and/or servicemarks of GM, its subsidiaries, affiliates, or third-party supplier licensors.

F1: October 2019

OVERVIEW

Transparent Trailer View¹ allows you to virtually “see through” your connected, compatible trailer when your truck is properly equipped. Using cameras mounted on the rear of your truck and on the back of your trailer, it pieces together a view of the area behind the truck and trailer as if your trailer is invisible. You can see the image on your infotainment screen while you drive.

You'll need to complete a setup process before you start using it. This guide will help you complete the process and troubleshoot problems.

Here's what you need to set up Transparent Trailer View:

- A properly equipped truck that includes:
 - Technology Package
 - An available Accessory Trailer Camera
- A compatible trailer that meets the following criteria:
 - Conventional hitch type
 - Box- or camping-style trailer
 - No more than 32 feet in length
- Tools for installing the available Accessory Trailer Camera
(Installation requires: ladder, hand drill and bits, wrenches, wire cutters, pencil; not included)
- A tape measure or detailed list of your trailer's dimensions

Before you buy a vehicle or use it for trailering, carefully review the Trailering section of the Owner's Manual. The weight of passengers, cargo and options or accessories may reduce the amount you can tow.



¹ Read the vehicle Owner's Manual for important feature limitations and information. Some camera views require available accessory camera and installation. Not compatible with all trailers. See your dealer for details.

STEP 1: INSTALL THE ACCESSORY TRAILER CAMERA

You have to install the available Accessory Trailer Camera on the back of your trailer in order to use Transparent Trailer View. Follow the steps in the camera installation instructions provided at purchase, which are summarized here for quick reference.

The Accessory Trailer Camera must be mounted in a specific zone on the back of your trailer to enable Transparent Trailer View.

- The ideal position to mount the camera lens is:
 - Horizontally centered on the back of your trailer
 - 4 inches (100 mm) higher than the rear truck tailgate camera
 - Measure the height from the ground to the rear truck tailgate camera (your trailer should be hitched), then add 4 inches (100 mm) to find the ideal vertical position on the back of your trailer

Important: Your target for mounting the camera should be no more than 8 inches (200 mm) away from this ideal position (see diagram A).

- Angled 35 degrees downward from the horizontal (see diagram B)
 - › Markings on the mounting unit can help you find this position
- Mount the camera; then route and secure the wiring harness on the outside of the trailer
Note: For routing guidelines, read the camera installation instructions provided at purchase.
- Connect the camera to the connector at the trailer hitch. It should be connected to the rear trailer camera port (see diagram C)

Tips for camera installation:

- Make sure the truck and trailer are on a flat surface when measuring and mounting the camera
- If you're using more than one accessory camera, make sure the wiring harness for the camera on the back of the trailer is connected to the rear trailer camera port (make sure they're not swapped at the hitch connector)

Diagram A

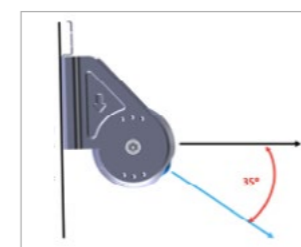
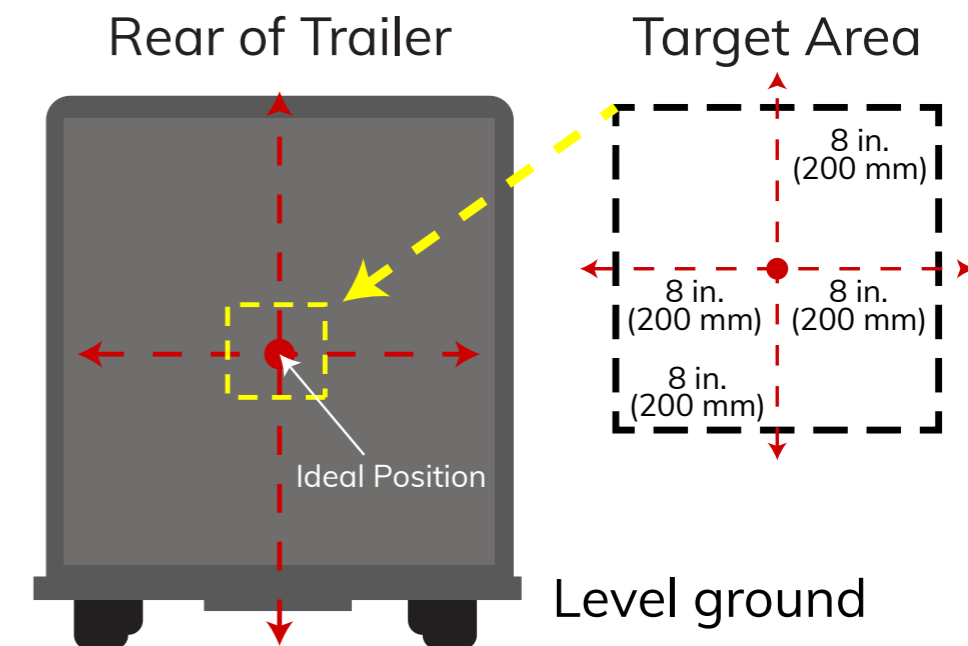


Diagram B



Diagram C

STEP 2: ENTER THE TRAILER'S DIMENSIONS INTO YOUR TRAILER PROFILE

Set up or select your Trailer Profile in the in-vehicle Trailing App² using the TRAILERING icon on the Home screen of the infotainment system. To set up Transparent Trailer View, enter your trailer's detailed dimensions in your trailer profile.

Note: If you select an incompatible trailer type (e.g., a fifth-wheel hitch or flat trailer), you can't continue setup.

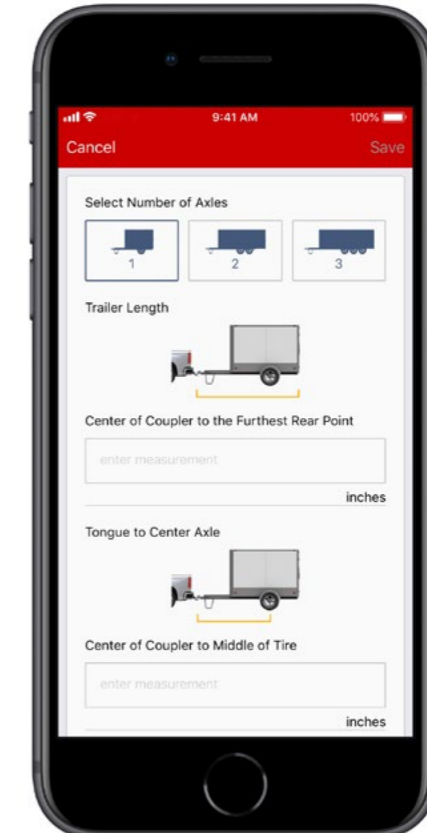
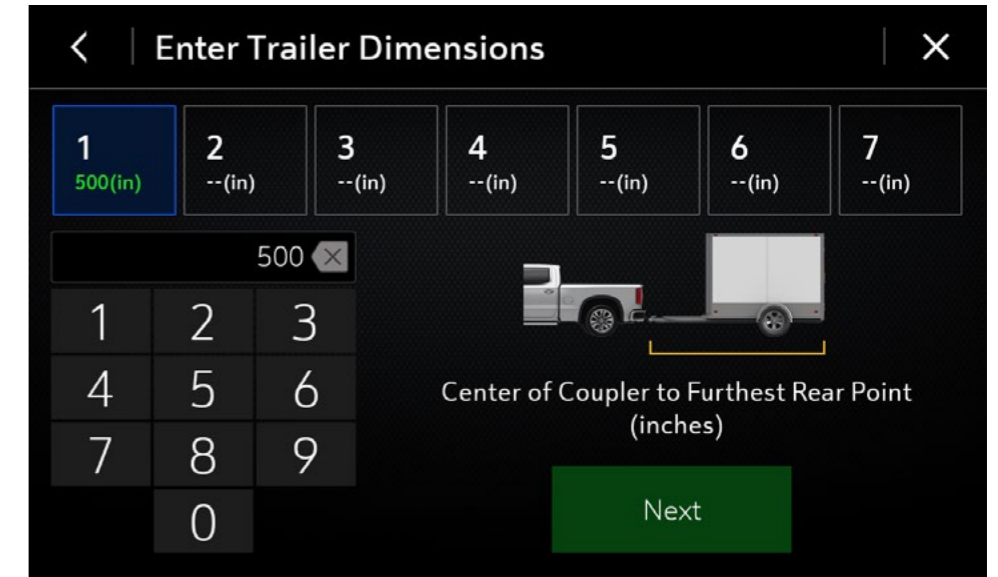
- From your trailer profile screen, select Towing Assistance Setup > Transparent Trailer > Yes, Get Started
- Follow the prompts on screen to enter the seven required dimensions, using the diagrams to find the right place to measure
 1. Center of coupler to furthest rear point
 2. Center of coupler to middle of tires
 3. Left edge to right edge of the trailer
 4. Ground to tallest point of trailer
 5. Ground to top of coupler
 6. Center of coupler to trailer front wall
 7. Hitch receiver to center of ball
- Once all dimensions are entered, select "Save and Continue"
- Begin the calibration steps detailed in the next section

ALTERNATE METHOD: ENTER DIMENSIONS USING THE MYGMC MOBILE APP³

You can also use the myGMC Mobile App to enter your trailer's dimensions on your compatible smartphone. This way, you can avoid going back and forth between the trailer and the in-vehicle Trailing App with measurements. If your trailer's dimensions are available online, you can look them up and then enter them into the mobile app. Then, you can sync profile information between your truck and myGMC Mobile App.

Tips for accurate measurements:

- Enter the dimensions in inches
- Round up or down to the nearest inch
- If you prefer to use metric units, you can change this preference in the vehicle's Settings menu
- Measure to the far edges of the trailer surface, even if your trailer has rounded edges
- Your trailer's width measurement (#3) determines the width of the trailer overlay. You can adjust this measurement to make the trailer overlay image narrower
- If you can't complete all measurements at one time, save your entries and return to the screen later to complete them



STEP 3: CALIBRATE THE VIEW

The last step in setting up Transparent Trailer View is a calibration process. This helps validate the dimensions you entered to ensure a clear and accurate view behind the trailer. The process involves driving forward in a straight path with your trailer attached and your trailer profile active.

Calibration begins automatically, but you can monitor the progress by tapping the CAMERA app icon on your infotainment system Home screen.

- Tap the TRANSPARENT TRAILER VIEW icon
- A progress bar will be displayed on the screen
 - To calibrate, drive forward in a straight path until the progress bar is complete
 - If you have to turn or speed up, the calibration process will pause and then automatically resume once you straighten out and slow down
 - The distance you have to drive varies. It may take several minutes
- The calibration will run in the background until it's complete
- When calibration is finished, Transparent Trailer View will be active. You will not need to recalibrate this trailer unless you change the dimensions

Note: Picture-in-Picture Side View is displayed until Transparent Trailer View is successfully calibrated.

Tips for successful calibration:

- Flat, smooth road surfaces are best for calibration
- Drive below 31 mph during calibration; calibration pauses if you drive too fast
- Steer the vehicle and trailer in a straight line; calibration pauses when you turn
- It's best to calibrate in the daytime; calibration may fail or take longer if it's dark out or in heavy snow or rain

USING TRANSPARENT TRAILER VIEW

Here are a few things to keep in mind when you're using Transparent Trailer View:

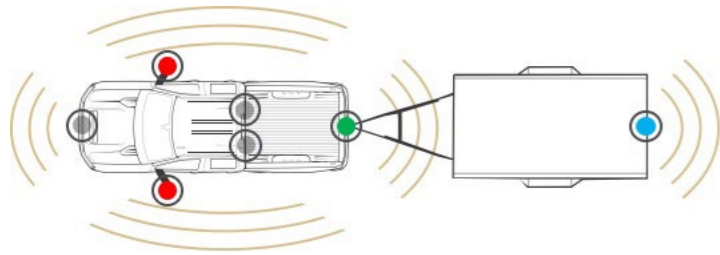
- From the CAMERA app on your infotainment screen, you can select Transparent Trailer View from the menu bar running along the bottom of the screen. Arrows on the side of the menu bar show additional views
- Transparent Trailer View only works in forward gear. If you shift to Reverse, Neutral or Park, it will switch to a different view
- The view will stay up until you switch gears, manually select something else or take an action that automatically displays a different image (e.g., Side Mirror View is displayed when the trailer angle exceeds a certain threshold)
- Transparent Trailer View shows you an image that has been pieced together from various camera views. It's a representation of what's behind your trailer but not intended to replace your normal driving caution
- Read your Owner's Manual to learn more about Transparent Trailer View or your truck's other available camera views

FAQs

Which cameras does Transparent Trailer View use?

The feature uses cameras in four locations:

- Left and right side mirror cameras
- Rear tailgate camera
- Accessory trailer camera placed on the back of the trailer



Why is the Transparent Trailer View icon grayed out in my Camera app?

The Transparent Trailer View selection could be grayed out in the Camera app for the following reasons:

- You've selected an incompatible trailer profile
- You haven't set up the feature
- The trailer isn't connected
- The Accessory Trailer Camera isn't connected or is connected to the wrong port at the trailer hitch
- The truck is in Reverse

Why isn't the calibration process finishing?

There are a few reasons the system wouldn't be able to finish calibrating Transparent Trailer View. Some of those include the way you're driving during the calibration process, the weather conditions or outside lighting conditions, and how the Accessory Trailer Camera is mounted on the back of the trailer. See "Step 3: Calibrate the View" for details.

Why does the view look distorted?

It's normal for the Transparent Trailer View to appear slightly distorted. But if the view looks very distorted, the trailer dimensions may have been entered incorrectly. Try remeasuring and inputting the dimensions, and then recalibrate the view.

Why does Transparent Trailer View go away while I'm using it?

You can only access Transparent Trailer View while you're driving forward. If you shift to Reverse, it will switch to a different camera view. There are also some actions that automatically cause a different view to be displayed. For example, when you turn, Side Mirror View is displayed. Transparent Trailer View is replaced by Picture-in-Picture Side View when the feature is not fully calibrated.