

Overview

Starting in 2022 all chassis cabs (3500 - DF/DD and 4500/5500 - DP) can have an optional Trailer Tow Digital Rear-View Mirror. (DRVM)

On all chassis cabs, the trailer tow DRVM can come in a couple of different configurations.

When sales code AVF (Tow Mode Digital Rear View Mirror Package) is ordered, it is a package that includes GRG (Digital Rear-View Mirror) and XH7 (Tow Mode/Upfit Camera) This package provides all the equipment required to install Tow Mode DRVM in the chassis and trailer.

If the vehicle is ordered with GRG alone, the trailer camera kit will not be included. However, it can be added. The trailer kit that comes with XH7 can be ordered through MOPAR. Part numbers are below.

Depending on how the vehicle is ordered, there are either 1 or 2 loose ship kits with the vehicle. If the vehicle has GRG buy itself, there will be one kit. That kit contains a wiring jumper and the installer mounted receptacle that the trailer's camera plug will connect to. If the Truck has GRG and XH7 (AVF Package) there will be a second trailer camera kit. That kit contains all the wiring and equipment that goes into the trailer.

The following chart outlines the kits, their contents and where they can be found in the MOPAR parts catalog.

Sales Code	Model Year	Kit P/N	Stand Alone Parts or Kit Contents	MOPAR Parts Catalog Section
GRG	2022 +	N/A	68527158AA – Jumper 68508681AA – Receptacle	008 - 1505.04 008 - 1505.05
XH7	2022	68527599AA	68525798AA – Harness 68526533AA – Camera	008 - 2625.06
XH7	2023 +	68586112AA	68550632AA – Harness 68531530AA – Repeater 68550633AA – Harness 68506532AA – Camera 68563458AA – Housing	008 - 2625.06

NOTE: Starting in model year 2023, the total length of the trailer harness was increased from 57 ft to 73 ft. Due to the loss in signal strength caused by the added length, a different camera is used and a DRVM repeater was added to the system.

NOTE: The 2022 and 2023 XH7 trailer camera kits are NOT interchangeable. The 2022 kit will not work with a 2023 truck, and the 2023 kit will not work with a 2022 truck.

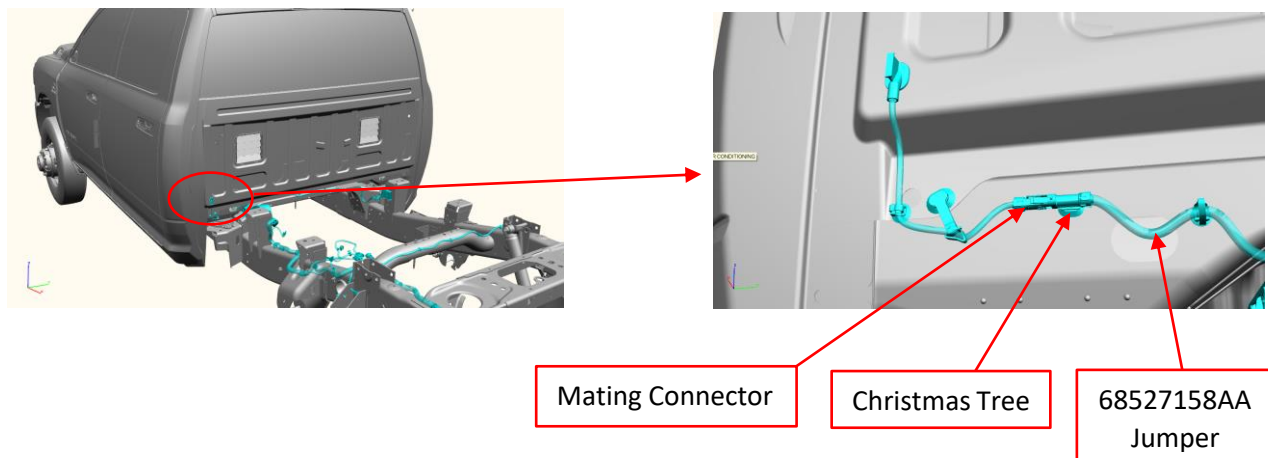
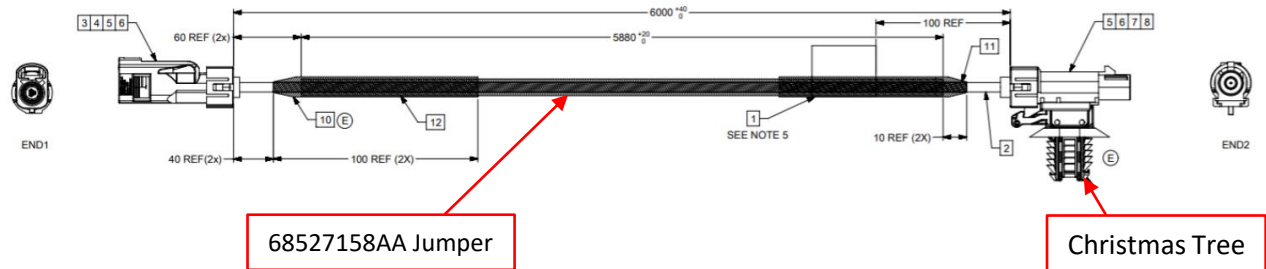
Vehicles Built Without Factory DRVM

If the vehicle was not built with DRVM (GRG) it is not possible to add it. However, if the vehicle has GRG, XH7 can be added.

Trailer DRVM

Jumper and Receptacle Installation

The 68527158AA jumper connects the chassis wiring to the user mounted 68508681AA receptacle. The end of the jumper with the Christmas tree will plug in to its mate found on the cab back just above the driver's side frame rail. The christmas tree will insert into a hole that is stamped into the valance from the factory. See the figure below.

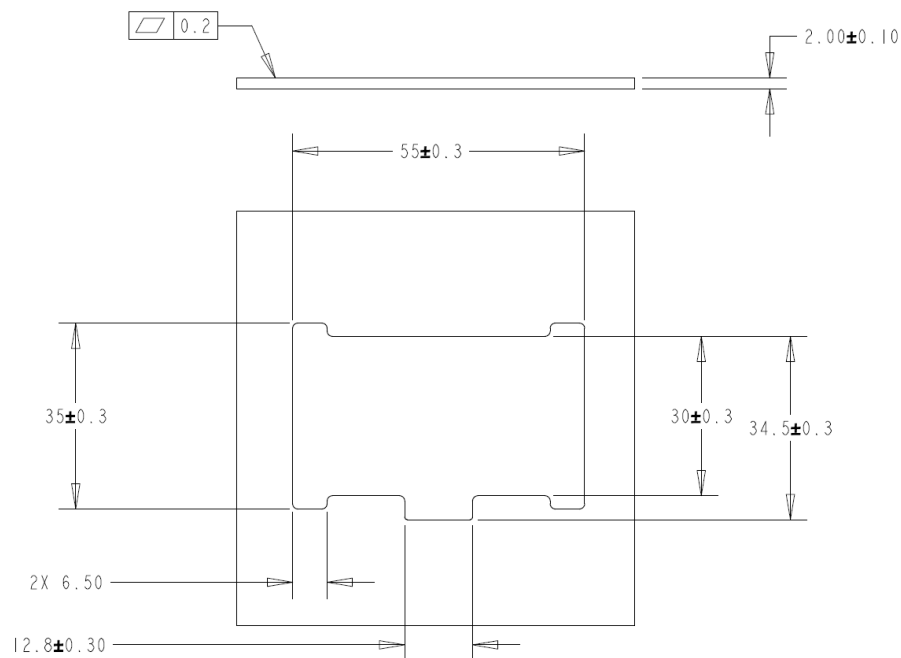


The other end of the 68527158AA jumper will plug in to the back side of the 68508681AA receptacle. (Image Below)
The jumper routing is left up to the installer. The cable should be secured in multiple locations along the length of the rout. Coil up any extra cable length and secure it some place out of the way.



68508681AA Receptacle

The 68508681AA receptacle is where the camera cable from the trailer will connect to when the trailer is hooked up to the truck. It is mounted by the installer to the upfit or chassis in any location that best suites the needs of the upfit and desires of the customer. This is the same receptacle that is used in Heavy Duty pickups. It is installed into a cutout in the rear bumper from the factory. Below is a drawing of the recommended cutout. It can be used in the fabrication of a mounting bracket or to make a cutout in the upfit.

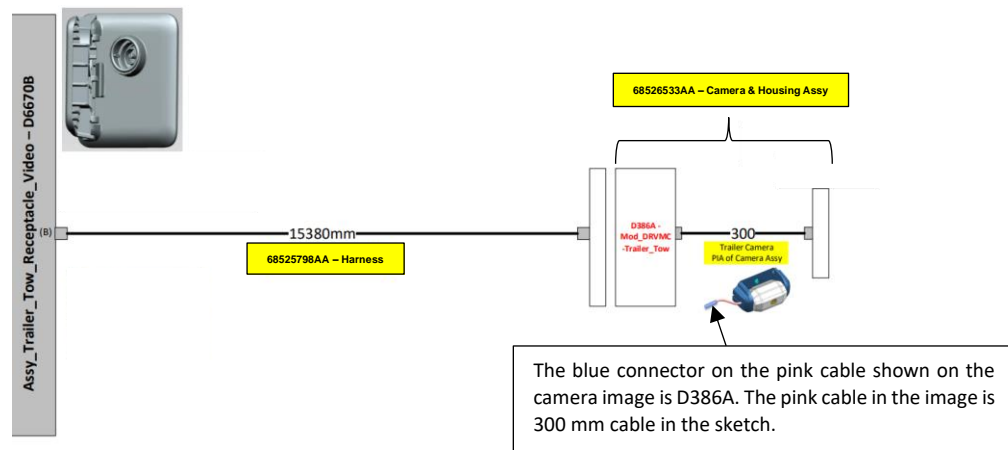


Trailer DRVM

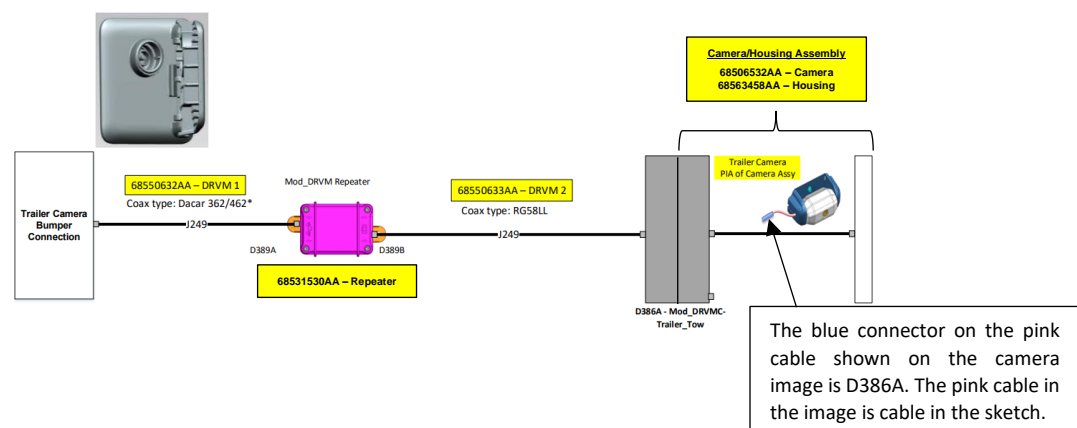
Trailer Camera & Equipment Installation

The equipment from the trailer camera kit will be installed into the trailer by the upfitter or user. Equipment mounting and wire routing is totally up to the discretion of the installer.

The equipment in the kit will vary depending on the model year. In model year 2023, the total length of the trailer harness was increased from 57 ft to 73 ft. Due to the loss in signal strength caused by the added length, a different camera and a DRVM repeater was added to the system. The images below show the two kits.



2022 Trailer Camera Kit (68527599AA)



2023 and Beyond Trailer Camera Kit (68586112AA)

Trailer DRVM