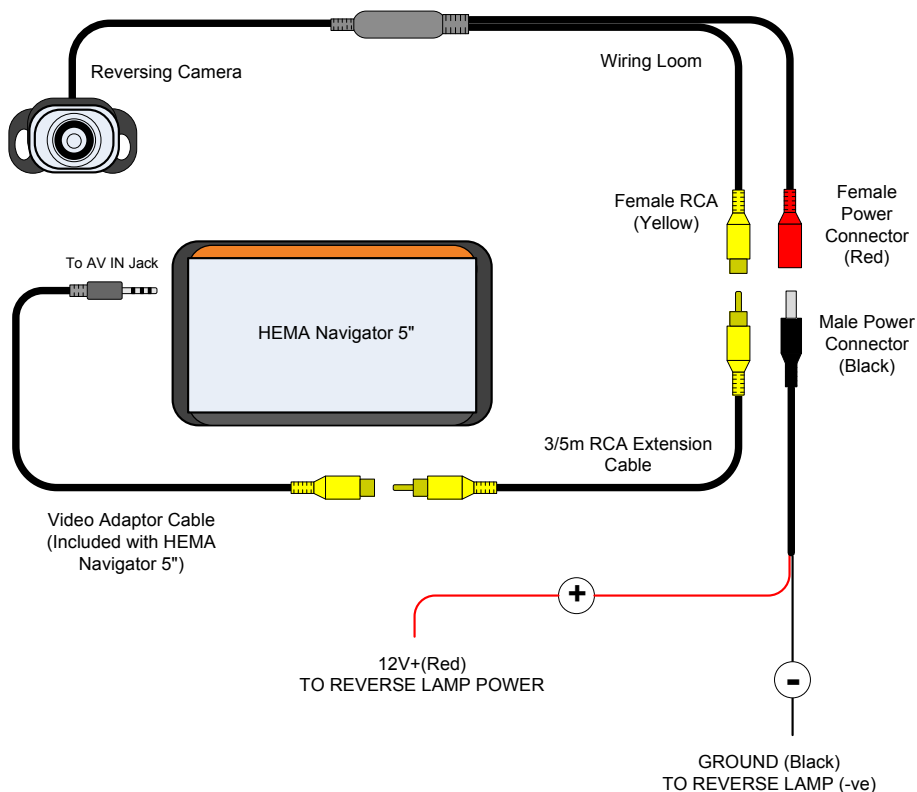
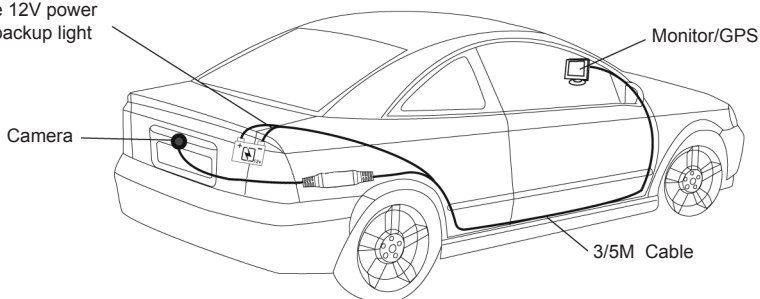


SINGLE CAMERA REVERSING SYSTEM

IMPORTANT: SUITABLE FOR NTSC COMPATIBLE DISPLAYS ONLY

Professional installation is recommended as voltage drop or incorrect placement of wiring will affect camera response times and/or visual display.

Connect to the 12V power supply of the backup light



HEMA REVERSING CAMERA

Self Installation Tips

1. Before commencing installation, lay the cabling out in the vehicle and plan the routing of the cabling and camera location.
2. The RCA extension cable and camera wiring loom should be positioned away from feet, sharp objects, closing doors / tailgates and other 12 volt wiring. The best location is underneath the vehicle's carpet.
3. Where the extension cable or wiring loom cross to a rear door or tailgate, it is best to pass the cable through an existing rubber conduit or grommet.
4. If the cable passes through a hole into a rear door or tailgate, install a rubber grommet to prevent contact with metal surfaces.
5. Use a voltmeter to confirm the correct polarity of the camera 12v power supply before connecting to the vehicles reversing light. A "Quick Splice" crimp connector is an easy way to make this connection.
6. Where wiring loom connections are concealed inside a door or tailgate cavity, use electrical tape to protect the connections from dust and moisture.
7. The camera should be installed in a location not subjected to prolonged submersion, contact with mud or accidental impact. An ideal location for the camera is just above the license plate on a rear door or tailgate.
8. Confirm the operation and orientation of the camera image before fixing camera to the vehicle. While the Navigator can reverse the image, it is better to correctly orientate the camera when installing.

Operation Tips

1. The Navigator will automatically switch to camera mode when reverse is selected and will return to the navigation program being used when finished reversing.
2. Poor reversing light brightness will result in a very grainy camera image on the Navigator.
3. When reverse is selected, there is a small delay before the Navigator switches to camera mode.
4. The camera will automatically adjust to daylight lighting conditions.

Warning

Hema Maps takes no responsibility for the installation or use of this camera kit.

It is the end users responsibility to ensure that it is always safe to reverse the vehicle and that the area behind the vehicle is clear.

The camera has a wide degree lens and is not intended to give accurate depth of field.

The camera is not to be used as the sole reference point when reversing.

Side mirrors should be used in conjunction with the camera image when reversing.

Specifications

Image device	1/4" color CMD OV7950
TV system	NTSC
Effective pixels	628 x 582 pixels
Sensing area	5.78mm x 4.19mm
Sync. system	internal
Resolution	420 TV lines
Minimum illumination	0.5Lux/F1.2
Lens angle	170°
S/N ratio	≥48dB
Electronic shutter	1/60 - 1/15,000 seconds

Video output	RCA connector, 1.0vp-p, 75Ω
Current consumption	90mA
Power supply	12V DC
Operating temperature	-10°C ~ +50°C, RH95% Max.
Storage temperature	-30°C ~ +60°C, RH95% Max.
IP rating	IP67
Other information	automatic white balance, AGC and BLC
Size	22mm×28×34mm
Weight	90g