Universal Trailer Rear Vision System With 7" Monitor
(Kit # 9002-7802V2)

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:
- 10m 4pin Connector Cable
- 20m 4pin Connector Cable
- 2 Connector mounting brackets
- 1 IR Camera
- 7" Monitor
- 2 Vehicle Mounted Connectors
- 1 4pin Coiled Cable

Tools & Supplies Needed:
- Electrical tape
- Zip ties
- 1" Hole Saw
- 3/16" Drill Bit
- Digital Volt Meter / BCM safe test light
- Screwdriver
- Socket set
- Wrench

Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

INSTALLATION: Rear trailer camera

1. Remove the 4 Allen screws that are located on the sides of the camera. Then remove the camera mounting bracket and visor.
2. Find an appropriate place to mount the backup camera. Line up the foot bracket to ensure that there is enough space to attach the camera to the body.
3. Attach the mounting foot using either self-tapping screws or a bolt and nut.
4. Use a 1" hole saw to drill a hole for the camera harness.
5. Then feed the harness through the drilled hole, fit the grommet to the inside of the hole.
6. Reattach camera and visor to the mounting bracket. Make sure the camera is oriented UP by seeing the light sensor on the right side of the camera when looking at it.

INSTALLATION: Trailer harness and plug

1. Using the larger 20m (65 ft) 4-Pin Cable harness, connect to the 4-pin connector of the camera and run to the front of the trailer. We recommend running along the ceiling or under the body along the frame.
2. Zip tie the cable up along the frame rails. Some trailers have holes cut into the frame rail for factory wiring, try to follow these.
3. Make sure to use the male-ended plug for the trailer. (If the wrong one is used the plug will not be correct for the camera.)

4. Connect the 4-pin harness(s) to the trailer side plug.

5. Then mount the plug's 90º bracket to the trailer by using self tapping screws and nuts and bolts depending on the trailer and location.

6. Attach the plug to the bracket by removing the 2 nuts and washers. Then attach the plug to the front of the bracket and secure with the original washers and nuts.

INSTALLATION: Vehicle harness and plug

1. Using the included template, drill a 1" hole facing the rear of the vehicles bumper to mount the vehicle plug. Look behind the bumper or bumper cover to make sure there is nothing on the backside of where the plug is going to go.

2. Using the same template, drill two 3/16" holes for the mounting screws.

3. Attach the plug to the vehicle by removing the 2 nuts and washers. Then attach the plug to the vehicle and secure with the original washers and nuts.

4. There is an included aluminum bracket if you do not wish to drill into the exterior of the truck. This is the same style 90º bracket that is used for the trailer plug.

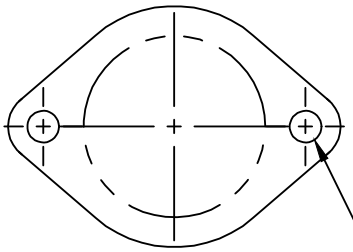
5. Connect the 10m (32 ft.) harness(s) to the 4-pin connector on the rear of the vehicle. Run the harness from the rear of the truck to the area where the monitor/display is located.

INSTALLATION: Stand alone Monitor

1. Connect the 4pin harness to Video 1 on the monitor.
2. If using a 2-camera system connect the second 4-pin harness to Video 2 on the monitor.
3. Connect the RED 12V power to an accessory power. Ground the BLACK wire to a good clean body ground.

FOR USE:

1. Connect the coiled 4pin harness to both the truck and the trailer connectors.
2. Activate the monitor to view backup camera.



Small holes: Use Ø$\frac{3}{16}$ drill bit

Large holes: Use Ø1in drill bit