



## **Factory Plug in Harness to replace factory tailgate back-up camera**

### **Snap-In 360 Degree Bullet Mount Camera with Optional Park lines and Factory Plug in Harness (Kit #9002-7540, 9002-7541, 9002-7542, 9002-7543, 9002-7544, 9002-7545, 9002-7546, 9002-7547, 9002-7548, 9002-7552, 9002-7553)**

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

#### **Items Included in the Kit:**

Factory Plug in Harness  
Camera

#### **Tools & Supplies Needed:**

1/4" Drill Bit (If Needed)  
Center Punch  
Power Drill  
Wire Ties  
Electrical Tape or Heat Shrink Tubing  
Plastic Trim Removal Tool  
Small grommet or Silicone (If needed)  
Vehicle service manual (If needed)

#### **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.

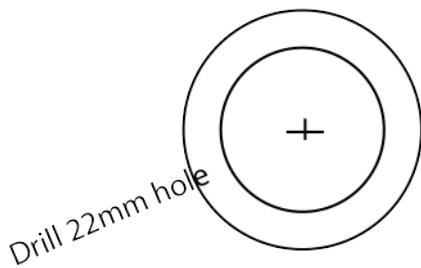
**NOTE: We strive to provide accurate and up-to-date installation instructions**



### Step 1: Install Camera

Place camera in desired position to confirm fitment (Note: Some states prohibit items blocking the license plate; check local authorities to confirm legal status for your application).

### Step 2: Mark Camera location with supplied template, Center Punch the mark, and use supplied 22mm Hole Saw to drill Camera mounting hole.



### Step 3: (If necessary) Use a 1/4" Drill Bit to make a pass through hole in any obstructing panel for the Camera Harness connector.

### Step 4: Insert connector end of the Camera Harness through the hole(s) you drilled.

RECOMMENDED: Protect Camera Harness from any sharp metal edges by applying a small amount of silicone caulk or a rubber grommet (shown below) to any area that may come into contact with metal.

**NOTE: The green dot sticker on the camera is the up direction.**



### Step 5: Route Camera and/ or Chassis Harness along existing wiring and secure using Wire Ties or Electrical Tape.

### Step 6: Connect Camera Harness to supplied Chassis Harness.

### Step 7: Disconnect the harness that leads from the tailgate the under the back of the bed. There is a different plug and location for each vehicle make.



# BRANDMOTION

seamless vehicle personalization



**Step 8: Run the new camera harness through the opening in the back of the bed to the underside of the vehicle.**



**Step 9: Connect Camera Harness to supplied Chassis Harness.** Make sure to line up the arrows on the connectors. Tape or heat shrink after to seal connection.



**Step 11: Secure Camera Harness to existing vehicle wiring.** This will minimize the chance of binding or otherwise damaging the harness

**Step 12: Test the system.** Inspect that all connections are proper and secure. Clear all loose items removed from the area around the vehicle and turn ignition key ON to test system.

**Step 13: Adjust Camera angle** (if necessary). Use the provided angle adjustment tool to a line the camera to the correct angle.



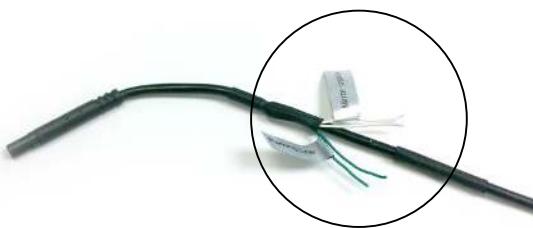
**Step 10: Plug the new connector into the factory connector that the factory camera was just unplugged from.** Make sure that the new connector "clicks" into place.

## CAMERA OPTIONS

**The camera offers grid lines or non grid lines and mirror image or non mirror image options.**

**Grid line options:** Default setting is to display grid lines. To remove the grid line display, connect the two green wires near the end of the camera harness.

**Display options:** Default setting is mirror image display for rearward facing camera (rear view) installation. To change to non mirror image for forward facing camera (front view) connect the two white wires near the end of the camera harness.



**Green and white wires on the camera harness.**

**FOR TECH SUPPORT CALL**

**1-734-619-1250**

**Please have part number available**