



250-8183 Flush Mount Camera

Installation Manual



❖ **Features**

- ❖ All Aluminum chassis
- ❖ High Resolution, 1/3-inch CMOS Color Camera
- ❖ IP69K Waterproof Housing
- ❖ Wide View Angle
- ❖ Selectable Image: Normal/Reverse
- ❖ Heavy Duty 4 Pin Screw Lock Connection
- ❖ Selectable Parking Line – ON/OFF

Camera Installation

Flush Mounting Instructions

Find a suitable location on the vehicle where the camera will not interfere with any equipment or that other vehicle components will block the line of sight. Verify that the planned mounting location is accessible from behind and that you have access to route the wiring inside the vehicle.

For FMVSS111 compliance you must insure the mounting angle will give a clear view of the rear of the vehicle and the objects behind it. Refer to the FMVSS111 Compliance standards required for vehicle builders/up fitters, etc. for specifics.

1. Acquire a 7/8-inch drill bit and a bottle of rust preventive which can be purchased at a hardware store.
2. Check behind the intended drilling location before drilling to verify that no wires or mechanisms can interfere with or be damaged during drilling.
3. Check for interference with license plate lights and the hatch release and/or any mechanism.
4. Drill a 7/8-inch hole at the selected location.
5. Coat the edge of the hole with rust preventative.
6. Route the camera wiring into the vehicle. The wire can be run through an existing grommet, behind a tail lamp, under the trunk molding, or if necessary, through a 5/8-inch hole drilled near the vehicle's rear license plate. **When choosing a wiring path, make sure the cable will not be damaged or pinched, as this may cause a short circuit that is not covered by the warranty.**

Connecting the Video Signal

1. The 250-8183 uses a single Heavy-Duty cable and the camera power and signal will be provided through this cable from the monitor.
2. If using an alternative monitor, use the adaptor harness to split the signal to RCA connections then connect to the female RCA input on the alternative monitor.

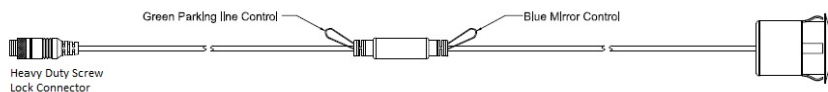
Reverse/Normal Image Adjustment

The camera comes standard with a reversed image, designed for mounting at the rear of the vehicle. If you need to change to a forward or normal image view, clip the blue jumper wire loop on the wiring cable to change the camera image to normal. Secure the clipped wires with electrical tape. To change back to reverse image view, reconnect the blue wires and secure with electrical tape.

NOTE: You MUST shut power off to the camera and then repower for the change to take effect.

Camera Parking Line Setup

The camera comes standard with parking lines active, if you wish to disable the parking lines, clip the Green jumper wire loop on the wiring cable shut off the park lines. Secure the clipped wires with electrical tape. To turn the park lines back on, reconnect the green wires and secure with electrical tape. NOTE: You MUST shut power off to the camera and then repower for the change to take effect.



Specifications

3. Voltage: DC12V
4. Current: 50 mA
5. Signal System: NTSC
6. Image Sensor: 1/3" CMOS Sensor
7. Resolution: 976 X 592
8. Viewing Angle: 180 degrees
9. Minimum Illumination: 0.1 Lux
10. Waterproof / Dustproof: IP69K
11. Operating Temp: -30c - +75c
12. Image Display: Selectable Normal/Reverse Image
13. Park Lines: On/Off

Troubleshooting

Symptom	Solution
No video signal appears while reversing the vehicle	<ul style="list-style-type: none"> • Check the rear-view camera lens and clean if needed. • Check the rear-view camera wiring connection and connection at the monitor. • Check the monitor fuse, if blown replace ONLY with the

	correct size.
Video image is not sharp enough	Clean the camera lens.