

ReverseGUARD Half-Frame Supplemental Installation Instructions

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The ReverseGUARD Half-Frame design provides an alternative design to the ReverseGUARD Standard Frame System for the following applications:

PRINCIPAL APPLICATION: Some states, i.e. Florida, Texas and Massachusetts have laws on the books that preclude the obstruction of any portion of the license plate. The ReverseGUARD Half-Frame has been design to be used in conjunction with a special mounting plate that allows the sensor housing to be mounted either above or below the license plate. This necessitates that there be a margin of 3/4" from the center of the existing vehicle mounting screw holes to the top or bottom trim of the mounting area.

ALTERNATIVE APPLICATIONS: The ReverseGUARD Half-Frame is an alternative for pickup trucks where the installer wants to locate the Control Box in a forward position in the vehicle; generally behind a seat in the cab area of the truck. The system is designed with 15 foot leads, allowing the control box to be mounted forward of the vehicle tail/backup lights assembly. All cables are of sufficient length to accommodate this application. Note: If the unit is being installed in a state requiring a non-obstructed plate, the extended mounting plate will be used. For all other states, the unit can be mounted without the mounting plate, or with the ReverseGUARD standard size mounting plate that is provided with the RG15B model system.

COMPONENTS: Half-Frame, Mounting Plate, Control Box, Piezo Speaker/Power Line, and installation hardware. The hardware includes 2 screws of 3/8" in length, 2 screws 1/2" in length (with nuts) and 2 screws 1 1/4" in length. It may not be necessary to use all of the hardware provided.

INSTALLATION: The ReverseGUARD Half-Frame system can be mounted in the upper or lower orientation, i.e. with the sensor system at the top or bottom of the license plate. This is a choice of the installer based on vehicle design and the layout of the mounting area on the specific vehicle.

IMPORTANT: As noted above, the Half-Frame system is shipped with an extended mounting plate. The complete mounting plate is 6 and 7/8" high. (The actual license plate is 6" high.) This necessitates that there be a margin of about 3/4" from the center of the existing vehicle mounting screw holes to the top or bottom trim of the mounting area. (When combined, the license plate and the backing plate are almost 1" taller than the license plate alone.)

The standard installation is as follows:

1. Follow the basic Installation Instructions and drill the necessary hole behind the license plate to route the wires to the inside compartment where the Control Box will be positioned.
2. Before mounting the system on the vehicle, note that the mounting plate should be mounted with the thicker edge toward the top, providing a downward angle on the system.
3. Temporarily position the Half-Frame flush with the top edge of the mounting plate. Place the license plate below the half-frame. Using the four (4) 1/2" screws (and bolts) fasten the license plate to the mounting plate. Then, align the Half-Frame to the mounting plate and using the 1 1/4" screws, fasten the complete system to the mounting holes on the vehicle.

An alternative installation is as follows:

An alternative installation can be used to raise the system 1" above the standard mount. This procedure can be used if there is limited space at the bottom edge of the plate. For this installation there will need to be an additional 7/8" margin of space at the top edge. For this installation, you will mount the sensor system to the top edge of the backing plate. (This can be done using two (2) 3/8" screws and bolts, not provided. You will then mount the license plate to the backing plate and the vehicle using the 1 1/4" screws.

Mounting the sensors at the bottom of the mounting plate:

For some vehicles, it may be a better alternative to mount the sensor system at the bottom of the license plate. This is the decision of the installer based on factors such as the presence of an obstruction such as a trim panel at the upper edge of the license plate. Also, on vehicles where the license plate is mounted 36" or higher from the ground, it may be preferable to mount the sensors in the lower orientation. As with the upper orientation, it is generally best to install the mounting plate with the thicker edge at the top, creating a slight downward angle on the system.

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