

# NO HOLES lip mounting options

While it's true that a mobile antenna mounted in the center of the roof or trunk deck will provide the best possible radiation pattern, lip mounts that attach the antenna to the edge of a door, hood or trunk offer comparable coverage, plus a lot of advantages.

- 1. No holes to drill... avoiding water leaks, rust, bent roofs, etc...**
- 2. Fast and easy installation.**
- 3. Mounts are removable when changing vehicles**
- 4. The antenna is easy to reach for removal for a car wash, theft prevention, or to use the fold-over hinge**
- 5. Better appearance**

The vast majority of the time, you will never notice a difference in coverage or signal quality when using a lip mounted compared to permanently mounted antenna. Modern repeater systems located in metropolitan and outlying areas more than compensate for the difference in mounting locations.



**Trunk lip mounts:** Our trunk lip mounts come with coax and are designed only for trunk lip use. They are adjustable to compensate for the angle of the trunk, but only up to 17 degrees. They are designed in Japan to fit on even the tightest tolerance gap between the trunk and fender.



**Universal Lip Mounts:** Our universal lip mounts can be used on trunk lids or attached to almost any lip on a vehicle: Vertical, horizontal or anywhere in between. They are designed to fit over an edge no more than 1/4" thick, so check the thickness of the lip you want to mount to before you decide on the location. The mounts adjust in several planes so the antenna can be made vertical from virtually any angle.

**Universal mounts come in two versions:  
With coax included - - Without coax included**

Simply slip the mount over the edge, tighten the set screws, adjust it to a vertical position and add the desired cable assembly if needed. The set screws will ground the mount and antenna to the vehicle. If the antenna does not require a ground plane, shims come with the mounts to keep the set screws from dimpling the underside edge. All have a soft rubber pad to protect the vehicle paint.

# Most common mounting locations besides the trunk side

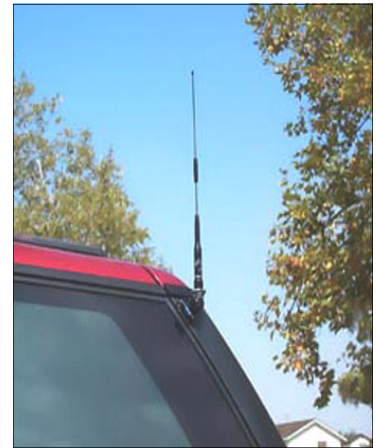


## Van Doors:

The doors on this Dodge Caravan are cargo doors. Whether the door opens like a hatch back or swings out rather than up, the mount attaches the same way.

## SUV: Rear hatch style door

Attach the lip mount to the door edge and adjust it to vertical. Mount the antenna on the drivers side so it will be less likely to hit low tree limbs and it is easier to access if you will be entering a parking garage, drive-thru restaurant etc...



## Hood Mounting

This picture is from a Dodge 2500 truck. The mounting bracket attaches to the hood itself. It is not attached to the fender so the antenna is out of the way if you are working under the hood.

The edge of most hoods is not flat, so check if the thickness is 1/4" thick or less before deciding on this as your mounting location.

## Rear Truck Doors

Most newer trucks now come with either full size doors or the smaller access rear doors as pictured.

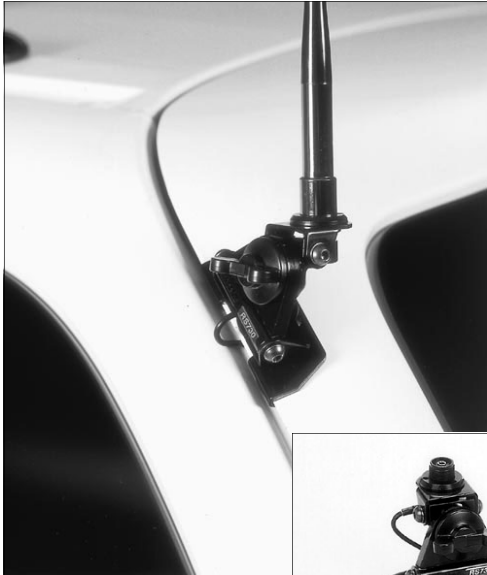
This is usually a perfect location to mount a mobile antenna. Attach the lip mount to the side of the door where the hinge is located.



# Most popular lip mounts that include the coax cable assembly

## CP-5M

This is the most popular mobile mount in the COMET product line. The connector on the mount is an SO-239 and the coax terminates in a PL-259. It is heavy-duty, universal, and comes with 5M (16'6") deluxe cable assembly. You can shorten the coax cable if desired. The PL-259 can be easily disassembled, the coax shortened, and the connector reassembled.



The CP-5M is a combination of the RS-730 universal mounting mount and the CK-3M5 deluxe cable assembly but packaged together at a discounted price. If you were to ever need to replace the coax or the mount you can order either separately

## HD-5 3/8-24

The RS-840 mount equipped with the deluxe coax cable assy with a 3/8-24" threaded socket to accept antennas designed with a 3/8"x 24 connector.



Recommended for small "screwdriver" or ham stick type antennas

## CP-5NMO

The RS-720 mount and deluxe coax cable assembly equipped with a Motorola style NMO connector designed to accept antennas with an NMO connector. Recommended for antennas no more than 60" tall.



The mount you choose depends on the size of the antenna you are going use with it. Remember you may want a bigger or higher gain antenna in the future so pick a mount you can grow with if needed. All of the below are designed to accept any of our cable assemblies except for the RS-720NMO. It will accept an NMO type cable assembly.

- The mounts attach with set screws from the bottom side to ground the mount if needed
- If you are using a ground independent antenna, shims are included to place between the set screws and the lip bottom to prevent any marks
- A soft rubber gasket protects the vehicle paint



**EM-B80**

Very small footprint, 2 adjustment planes. Max 40" antenna



**RS-520**

Very small footprint, 3 adjustment planes Max 45" antenna



**RS-720** Accepts an SO-239 conn **RS-720NMO** Accepts an NMO conn Medium-duty, up to 60" antenna. This mount has a smaller footprint than the larger mounts.



**RS-730**

Similar in size to the RS-720, but a larger footprint spreads the weight of the antenna. Max 70" antenna



**RS-840**

The largest of the lipmounts, it has an extra support tab to minimize lateral movement. CAUTION: This tab requires that both edges are flush. Max 80" antenna



**RS-560C**

Roof rack, pipe clamp mount. The maximum opening size is 1 7/8" x 1 7/8". It will fit over oblong shaped roof racks or round pipes like mirror mounts, RV ladders, etc... Max 60" antenna



**MK-30H 12VDC Motorized Mount**

Very convenient way to raise/lower an antenna without getting out of the car. The MK-30H is universal, it can attach to a trunk as pictured or a vertical/slanted door like a rear van, truck or SUV door. It comes with a 5 meter (16.5ft) wiring harness and toggle switch to raise and lower the antenna 90 degrees. Rated to hold an antenna no more than 70 inches/11lb 6ozs. It has a built in clutch to help prevent antenna damage should you hit a solid object.



# Coax Cable Assemblies

If the lip mount you want does not come with the coax cable, we have several coax cable options. Choose the one best for your needs.

Deluxe assemblies avoid the trouble usually associated with getting the coax inside the vehicle from a lip mount.

Standard assemblies can be used if you want to drill a hole in your vehicle or where getting the coax through a weather seal is not a problem. For example, most vehicles have drain hole on the floor boards of the passenger compartment. If you are mounting to a truck tool box, use the standard cable to come under the cab and in through the floorboard avoiding coming through the weather seal.



## DELUXE coax cable assemblies

The deluxe coax cable assemblies use two sizes of coax to complete the assembly. The first 18" is RG-188 type. Approx 1/8" diameter allows easy entry through the door or trunk weather seal without causing wind noise, water leaks or coax damage. The balance of the assembly is low loss coax w/24k gold plated SO-239 and PL-259 connectors, Teflon insulation. Detachable connector for easy installation. Weather cap included

**CK-3M5** 5 meters total length (16'6")

**CK-3M** 3 meters total length (9'9")

**CK-4N** 4 meters total length (13')  
with N connectors



## STANDARD coax cable assemblies

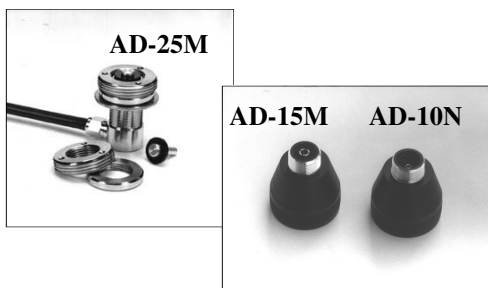
The standard coax cable assemblies use one size low loss coax approximately 1/4" diameter. 24k gold plated SO-239 and PL-259 connectors, Teflon insulation. Use these assemblies if you want to drill a hole in your vehicle or if you do not need the small diameter coax to get thru a weather seal. Detachable connector for easy installation, weather cap included

**3D5M** 5 meters total length (16'6")

**3D4M** 4 meters total length (13')

**3D4N** 4 meters total length (13')  
with N-connectors

**5D4N** 4 meters total length (13')  
Low loss coax up to 2.5GHz  
With N-connectors



## ADAPTERS

**AD-25M** Turns an SO-239 into an NMO connector

**AD-15M** Turns an NMO into an SO-239 connector

**AD-10N** Turns an NMO into an N-female connector

**AD-35M** Turns an SO-239 into a 3/8-24 connector