

SPECIFICATIONS FOR AN ACARI DRILL-FREE ROOFTOP MOUNTING PLATFORM

The vehicle rooftop mounting platform must be an ACARI RTM as specified below. While it is not the intention of this Competitive Sealed Bid to eliminate Bidders that can offer mounting platforms that are similar or equal in purpose, function and performance of the brand and model specified, any brand or model other than as specified will not be accepted, as the Department has standardized on the referenced systems for various reasons, including part and model compatibility. All major components must be designed and manufactured in the United States of America, including, housing components, adaptors, etc. Bids that contain major components (subassemblies) manufactured outside of the United States are not acceptable.

1.0 DRILL-FREE ROOFTOP MOUNTING PLATFORM:

- 1.01 The main structure of the rooftop mounting platform must be two-piece extruded aluminum top and bottom, with two extruded aluminum mounting clamps. The RTM is to be installed by inserting the two clamps into the vehicles CHiML (third brakelight) factory provided hole located at the rear center of the cab roof. All lighting components, antennas, and other devices are to be mounted to the top surface of the RTM and wiring to run through to the interior of the vehicle. The third brakelight is then reinstalled on the rear surface of the RTM.
- 1.02 The extruded aluminum top must be one solid piece, free of holes in the top surface. Mounting platforms with plastic/polycarbonate tops are not acceptable. The top shall measure 10-1/2" wide x 22" long excluding ABS molded endcaps.
- 1.03 The extruded aluminum lower piece must be one solid piece, with CNC machined openings and mounting holes. The lower piece shall measure 10-1/2" wide x 17" long, or 19-1/2" for Ford F-150-2015 excluding ABS molded endcaps.
- 1.04 The clamping system shall comprise of two extruded aluminum shapes, each drilled and taped, and nest in a pivoting manner to the lower housing, and fasten with a stainless steel bolt, washer, and lock washer. Roof top mounts with other mounting systems are unacceptable.
- 1.05 Metal: All aluminum components must be 6063-T6 Alloy. Roof top mounts of other metals or alloys are unacceptable.
- 1.06 Finish: Both upper and lower components must be finished with 215-R1 Clear Anodize. Mounting clamps may be mill finished. Roof top mounts with other finishes are unacceptable.
- 1.07 Endcaps shall be injection molded ABS plastic with cross-link polyurethane foam gaskets with UV resistance, fastened with black stainless steel pan-head fasteners.

- 1.08 Vehicle-specific adapter kits shall be fabricated from cross-link polyurethane foam to conform to the body shape of each individual vehicle type. Each kit shall identify the type and model of vehicle it is designed for. Roof top mounts with other adapter and gasketing systems are unacceptable.
- 1.09 Use of any other mounting platform, whether mounted to the cab or any auxiliary location on the vehicle that requires any drilling into the cab or body of the vehicle for mounting or wiring is unacceptable and will cause the bid to be considered non-responsive.

2.0 WARRANTY

- 2.01 The system shall be warranted by the manufacturer to the user directly to be free from defects of material or workmanship for a period of 12 months from the date of purchase. Written proof of this warranty by the manufacturer must be furnished by the bidder and attached to the bid.
- 2.02 The successful bidder must be the manufacturer or an authorized stocking distributor for ACARI Engineering Company, Located in the State of _____, and stock sufficient quantities of service parts to maintain the needs of the department within forty-eight(48) hours after cal. Bids from non-ACARI distributors will not be accepted.