



L3HARRIS™
FAST. FORWARD.

CA-1307 & CA-1309 AB-1298/SRC MANUAL, SELF-CONTAINED ANTENNA TILT BASE

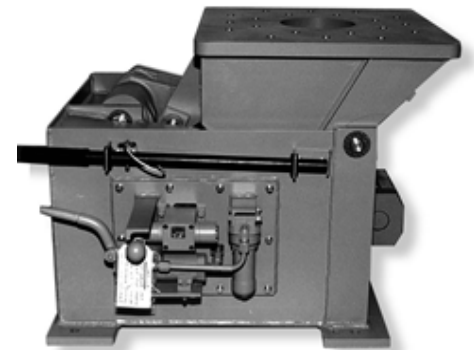
Models CA-1307 and CA-1309 are compact, medium weight, self-contained, tilt base which provides a means of raising and lowering whip antennas or other similar equipment utilizing a manually-operated, hydraulic actuating mechanism.

Models CA-1307 and CA-1309 provide a tilt base installation which does not require the expense of interconnecting hydraulic and/or electric lines or the installation of remote controls usually associated with this type of equipment. In the event that remote operation is desired, the hydraulic system module has been designed so that it may be physically detached from the tilt base and removed to a remote operating area.

The tilt actuating mechanism consists of a hydraulic cylinder energized by a hand operated pump, with a spring-centered four-way control valve for selecting direction of operation. A counterbalance valve, together with the control valve, is, in effect, a hydraulic safety lock, which secures the antenna immediately in any intermediate position should operation of the hand pump be interrupted.

The CA-1309 is identical to the CA-1307 except all ferrous materials have been removed, creating a nonmagnetic design.

The equipment has been designed and constructed to meet MIL-S-901(C), grade A shock; MIL-STD-167, type I vibration, and all service conditions of MIL-E-16400(G), exposed (unsheltered) equipment.



MECHANICAL	
Max allowable overturning moment	
Antenna base locked	21,000 lb-ft
Max available actuating moment	
Antenna vertically mounted	3,500 lb-ft
Antenna horizontally mounted	3,600 lb-ft
Total weight	Total weight
Size	Consult factory
Material of construction	
Tilt base	6061-T6 welded fabricated aluminum
Finish	Gray, epoxy polyamide paint, per MIL-P-24441

KEY FEATURES

- > Extremely rugged design
- > Although a manual tilt base, remote operation can still be utilized
- > Nonmagnetic option available (CA-1309)
- > Meets MIL-STD-167, MIL-S-901C and MIL-E-1400(G) standards

For further details and specifications, contact the factory at antenna.info@L3Harris.com

CA-1307 & CA-1309 AB-1298/SRC Manual, Self-Contained Antenna Tilt Base

© 2021 L3Harris Technologies, Inc. | 09/2021 | 61409 | EL

Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



L3HARRIS™
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919