



SERVICE BULLETIN

(Equipment Previously Supplied By Honeywell)

SERVICE BULLETIN SB-T-09-1400C-0001

ANTENNA DRIVE UNIT DA-1203A
PART NUMBER 4000504-0301 THRU -0308
UNIT MOD 12

MILITARY DA-1203A
PART NUMBER 4001709-0301 THRU -0303
UNIT MOD 6

ANTENNA PEDESTAL UNIT DA-1203C
PART NUMBER 364-5000-001
UNIT MOD 2

ANTENNA DRIVE OUTLINE ASSEMBLY
PART NUMBER 4007270-0501 to -0502 Subassembly MOD 4
PART NUMBER 4007270-0503 Subassembly MOD 5
PART NUMBER 4007270-0504 Subassembly MOD 2
PART NUMBER 364-5020 Subassembly MOD 2

SUBASSEMBLY MODS TO ELEVATION DRIVE ASSEMBLY
PART NUMBER 4007138-0501 MOD 1
PART NUMBER 399-3120-001 MOD 1

THIS SERVICE BULLETIN REPLACES
THE EXISTING GEAR SHAFT
WITH A MORE ROBUST GEAR SHAFT

Please return copies of the Modification Completion Form on the last page for each unit modified to Telephonics Corporation via mail, Fax or attached to an email. Thank you.



1. Planning Information

- A. Effectivity
This Service Bulletin provides information to modify all failed Telephonics-manufactured DA-1203A and DA-1203C Antenna Drive Units.
- B. Reason
Under extreme operating conditions, some units have experienced gear shaft failures. The incorporation of this modification is designed to prevent this from occurring.
- C. Description
This modification replaces three gear shaft components.
- D. Compliance
Telephonics suggests that the modification should be performed in DA-1203A and DA-1203C Antenna Drive Units if the problem mentioned in paragraph 1.B is observed.
- E. Approval
This service bulletin contains no modification information that revises the approved configuration.
- F. Manpower
Eight (8) hours of labor including testing is required to incorporate this modification.
- G. Affected Publications
Antennas Maintenance Manuals
publication numbers 006-05953-000 and TM117909.
- H. Warranty

Material costs and 8 hours of labor will be covered for units under warranty.

2. Accomplishment Instructions

NOTE: Refer to Disassembly and Assembly procedures in PART 1, SECTION III of I.B. 21000A. Disassemble only to the extent required to gain access to items being modified.

- A. Modification Procedure
 - (1) Perform steps in paragraph 8.D.(7) (c). This removes all gears including the gear part number 400477-0001.



- (2) Refer to paragraph 8.E which provides procedures that are not obvious using figure 4-1 in the manual. Consult particularly the instructions in paragraph 8.E.(9)(d).
- (3)
 - (A) If modifying a DA-1203C remove the Elevation Drive Housing Cover.
 - (B) If modifying either a DA-1203A or a DA-1203C, remove the gear 4004777-0001(manual item 136), Gear Link Assembly 4007147-0502 (manual item 121) and Link Met 4005065-0002 (manual item 120).
 - (C) Replace the old gear 4004777-0001(manual item 136) with supplied item 1.
 - (D) Replace the old Gear Link Assembly 4007147-0502 (manual item 121) with supplied item 2.
 - (E) Replace the old Link Met 4005065-0002 (manual item 120) with supplied item 3.
 - (F) If modifying a DA-1203C replace the old Elevation Drive Housing Cover with the supplied item 4.
- (4) Apply a dot of red paint over circle 12 of the unit Mod identifier label on the DA-1203A If Modifying a DA-1203C apply a dot of red paint over circle 2 of the unit Mod identifier label
- (5) Apply a dot of red paint over the appropriate circle as listed in the following table:

Part numbers(s)	Assembly	Mod Level
4007270-0501, -0502	Antenna Drive Outline Assembly	4
4007270-0503		5
4007270-0504		2
4007138-0501	Elevation Drive Subassembly	1

- (6) Re-assemble the Antenna Drive in the reverse order of the disassembly instructions.



B. Testing

To insure that the antenna is suitable for use in an aircraft, perform test procedure given in paragraphs 2 and 3 of Section II, PART 1 of I.B. 21000A.

3. Material Information

The following parts are required to modify a DA-1203A or a DA-1203C Antenna Drive Unit.

<u>Item</u>	<u>Telephonics Part Number</u>	<u>Description</u>	<u>Qty</u>
1	399-3115-001	Gear Output	1
2	399-3127-001	Gear Link Assembly	1
3	399-3116-001	Link Clamp	1
4	399-3024-001	Elevation Drive Housing Cover	1

For additional information and material pricing and availability - please contact:

Telephonics Corporation Tel: 1-877-517-2327 Fax: 1-877-755-7701
815 Broad Hollow Road 1-631-755-7004 1-631-755-7227
Farmingdale, NY 11735
Attn: Product Support Department

Inquiries should reference this Service Bulletin and PCN 379-0925A, 364-0135A and 364-0153A.



Radar Systems Division
Logistics Engineering and
Support Department
815 Broadhollow Road
Farmingdale, New York 11735 USA

Field Modification Form Completion

In order to provide documentation of this modification, please complete the field modification form shown below for each unit retrofitted. Copies of this page documenting the completion of these changes should be supplied to the Facility Manager at the site and to the Telephonics Configuration Manager.

Note:

Please return copies to Telephonics Corporation via mail, Fax or attached to an email.

Telephonics Corporation
815 Broadhollow Road
Farmingdale, NY 11735
Att: Jeff Crane Configuration Manager
Phone: (631-755-7545)
Fax: (631-755-7755)
Email: crane@telephonics.com

The Telephonics Configuration Manager will distribute internal copies to the Telephonics Product Assurance, Production Control and Program Management

Date _____ Unit Name _____ LRU P/N _____

LRU S/N _____ MOD Status _____

Modification Completion Certification:

Certification:

_____	_____
Signature	Date

Name	

Agency	

Telephone	