

TELEDYNE CONTINENTAL[®] AIRCRAFT ENGINE

CATEGORY 5

SERVICE INFORMATION LETTER

Contains useful information pertaining to your aircraft engine

SIL00-9A

Technical Portions FAA
Approved
Supersedes SIL00-9,
M87-18R1

SUBJECT: ENGINE DATA PLATES

PURPOSE: To provide procedures for acquiring replacement engine data plates.

COMPLIANCE: Whenever an engine data plate must be replaced due to being damaged, lost or stolen.

MODELS

AFFECTED: All TCM engine models, including engines manufactured under license by Rolls Royce.

REASON FOR REVISION: Price Change

Replacement engine data plates may be obtained from Teledyne Continental Motors by following the procedure provide below.

1. Request for replacement data plates must be made in writing.
2. Contact your local FAA office and obtain written approval from them as specified in 14 CFR 45.13 paragraph (b) and (d).
3. If the engine data plate has been lost or stolen, or if the removed data plate is being retained by the FAA, you must obtain written certification from the FAA on official FAA letterhead verifying the engine model and serial number for which the data plate is being requested.
4. The old, removed data plate, unless it is being retained by the FAA as noted in step 3 above, must be returned to TCM with your written request for a replacement data plate and the above documentation.
5. Enclose a check or money order made payable to Teledyne Continental Motors, in US funds, in the amount of \$100.00.

Send request to:

Teledyne Continental Motors
P.O. Box 90
Mobile, Al 36601
ATTN: CUSTOMER SERVICE DEPARTMENT

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Removal And Installation Of Engine Data Plates.

The technician is encouraged to read AC 43-17 and AC 45-3 prior to removing or installing an engine data plate.

A. Data Plate Removal:

Exercise extreme caution to not mar or damage the crankcase during this procedure. The engine data plate is attached to the engine crankcase with 6 each drive rivets. Drive rivets may be removed by carefully inserting a wide blade gasket scraper between the data plate and the crankcase adjacent to each drive rivet. As the data plate is lifted, the drive rivet should back out. Repeat this process for each drive rivet.

B. Drive Screw Hole Repair/Patching:

If drive screw hole will not be used to re-install engine data plate they may be repaired/patched using either 3M "Scotch Weld" structural adhesive, 3M part number 1838, or Loctite "Fast Cure" epoxy adhesive part number 44581.

C. Installation of New or Originally removed Data Plate:

New crankcase:

1. On a #51 drill (.067 diameter) install a drill stop set for .19 inch depth
2. Install the #51 drill into the chuck of a drill motor
3. Use the data plate as a template to locate the drive screw holes
4. Place the data plate on the machined data plate pad on the 1-3-5 crankcase half.
5. Drill the 6 drive screw rivet holes (.067 diameter) using the # 51 drill to a depth of .19 inch
6. Clean aluminum shavings from crankcase exterior and interior surface
7. Fasten data plate to 1-3-5 crankcase half using 6 ea. P/N 24764 drive screws

Used, rebuilt or repaired crankcase with existing data plate holes:

- a. Data plate hole pattern and existing hole pattern on crankcase align.
 1. On a #44 drill (.086 diameter) install a drill stop set for .19 inch depth
 2. Install the #44 drill into the chuck of a drill motor
 3. Drill the 6 existing data plate hole to .086 diameter with the #44 drill to a depth of .19 inch
 4. Clean aluminum shavings from crankcase exterior and interior surfaces
 5. Fasten data plate to 1-3-5 crankcase half using 6 ea. P/N 21007 drive screws

- b. Data plate hole pattern and crankcase hole pattern do not align.

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1. On a #51 drill install a drill stop set for .19 inch depth
2. Install the #51 drill into the chuck of a drill motor
3. Use the data plate as a template to locate the drive screw holes.
4. Place the data plate on the machined data plate pad on the 1-3-5 crankcase half.
5. Locate the data plate holes adjacent to the existing holes on the data plate pad
6. Drill the 6 drive screw rivet holes, .19 inch depth.
7. Clean aluminum shaving from crankcase interior and exterior surface
8. Fasten data plate to 1-3-5 crankcase half using 6 ea. P/N 24764 drive screws

D. Rolls Royce Manufactured Engines:

The issuance of a replacement data plate by Teledyne Continental Motors does not change or modify the original certification basis of these engines.

Replacement data plates for engines originally manufactured by Rolls Royce under license agreement with Teledyne Continental Motors will have the engine model prefixed with the letter designation RR. These engines will retain the original Rolls Royce engine serial number and Type Certificate number issued by the CAA.

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