

McCauley Industrial Corporation SERVICE BULLETIN

WB-1

May 15, 1974

TO: Cessna Aircraft Company

SUBJECT: Modification to D-30063-1, D-30063-2 and D-30063-4 McCauley Wheel Assemblies

AIRCRAFT MODELS AFFECTED:

1973 Model Cessna 180 and 185

1974 Model Cessna 180, 185, 206 and 210

CONDITION:

The main wheels of affected aircraft have had reported instances of broken bolts. Since these bolts hold the wheel assembly together, their failure could conceivably result in a complete wheel failure. McCauley has made a design improvement to the wheel to prevent this condition. Wheels presently in the field can be modified to incorporate this change. This field modification basically changes the wheel assembly from part number D-30063-1 to D-30291-1 by replacing the (6) 1/4" dia. thru-bolts with (12) 5/16" dia. socket head cap screws used to attach the wheel flanges to the hub. The new D-30291-1, D-30291-2 and D-30291-3 wheels are TSO approved and will also be installed on new production aircraft.

CORRECTION:

A parts kit (part number PL-30403) is available for the modification of affected wheels. Each kit contains parts to modify one aircraft (2 wheels) and contains the following:

PL-30403

Qty. McCauley P/N

Description 2 ea. D-30256 Hub Assy.

24 ea. A-1635-79 Socket Head Cap Screw

24 ea. A-1638-1 Washer

4 ea. B-30076 Fiber Spacer

2 ea. A-30401 Decal (D-30291-1)

2 ea. A-30402 Decal (D-30291-2)

2 ea. A-30413 Decal (D-30291-3)

1 ea. WB-1 Service bulletin

Procedure:

Important

Use appropriate Cessna service manuals for reference.

1. Remove wheel from aircraft.
2. Deflate tire and disassemble wheel.
3. Remove retaining rings, grease seals, and bearings from wheel, as they must be used in the replacement hub (bearing cups need not be removed).

NOTE

Grease retainer on inboard side of wheel differs from the outboard retainer. For identification purposes, the outboard retainer has a smaller inside diameter (I.D.).

4. Using a drill press and size "P" drill bit (.323" dia.), drill out the original (6) bolt holes (.323 ± .005) in the two flanges and brake disc so that they can accommodate the larger 5/16" dia. cap screw. Remove burrs and sharp edges from holes (.015" X 45° max. chamfer).

5. Obliterate original ink stamped part numbers on wheel flanges and brake discs with indelible ink.
6. Remove original McCauley decal from wheel flange and install appropriate new decal. Discard unused decals.

Original Decal Replacement Decal D-30063-1 D-30291-3

D-30063-4 D-30291-1

D-30063-2 D-30291-2