

NOTES:

1. USE 5/16 WRENCH TO HOLD BEARING TOOL DURING INSTALLATION.
2. SEE APPLICATION CHART TO DETERMINE PROPER TOOLS FOR BEARING APPLICATION.

APPLICATION CHART		
BEARING*	BEARING TOOL	BEARING RECEIVER
MCS1003-11A	A	A
MCS1003-28A	C	C
MCS1003-29A	C	C
MCS1003-65A	B	B
MCS1004-42A	C	C

* Indicated tools also apply to the equivalent Cessna part numbers without the "MC" prefix.

BEARING REMOVAL INSTRUCTIONS:

1. ASSEMBLE TOOL AROUND BEARING, AS SHOWN IN FIGURE 1.
2. SEAT TOOL INTO BEARING AND TIGHTEN ASSEMBLY. VERIFY THAT THE RECEIVER IS SEATED FLUSH TO BEARING MOUNT. ADJUST AS REQUIRED TO SQUARE TOOL TO BEARING MOUNT.
3. HOLD BEARING TOOL IN PLACE WITH WRENCH AND TIGHTEN NUT UNTIL BEARING IS PRESSED OUT OF MOUNT.

NOTE: IF NOMINAL TORQUE ON NUT FAILS TO MOVE BEARING, BEARING MAY BE FUSED. SEE INSTRUCTIONS FOR FUSED BEARING REMOVAL.

4. PULL TOOL THROUGH MOUNTING HOLE TO COMPLETE REMOVAL.

BEARING INSTALLATION INSTRUCTIONS:

1. SEAT EDGE OF BEARING INTO MOUNTING HOLE AND ASSEMBLE TOOLS AROUND BEARING, AS SHOWN IN FIGURE 2.
2. TIGHTEN TOOL TO SNUG ASSEMBLY, VERIFY THAT BEARING IS CENTERED IN HOLE AND TOOL IS SQUARE TO BEARING MOUNT. ADJUST AS REQUIRED.
3. HOLD BEARING TOOL IN PLACE WITH WRENCH; TIGHTEN NUT WITH WRENCH UNTIL BEARING IS FLUSH TO WASHER. (INSTALLED). FOR FLANGE BEARING, USE OF RECEIVER B MAY BE REQUIRED TO SEAT FLANGE.

NOTE: APPLYING EXCESSIVE FORCE WILL DAMAGE BEARING AND BEARING MOUNT.

4. REMOVE TOOL, INSPECT BEARING FOR PROPER INSTALLATION; ADJUST BEARING POSITION AS REQUIRED.

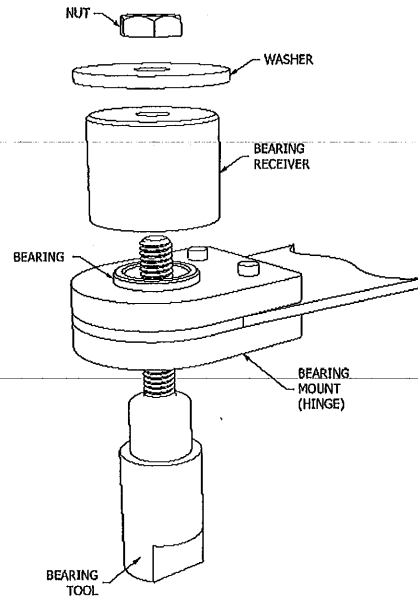


FIGURE 1 - BEARING REMOVAL

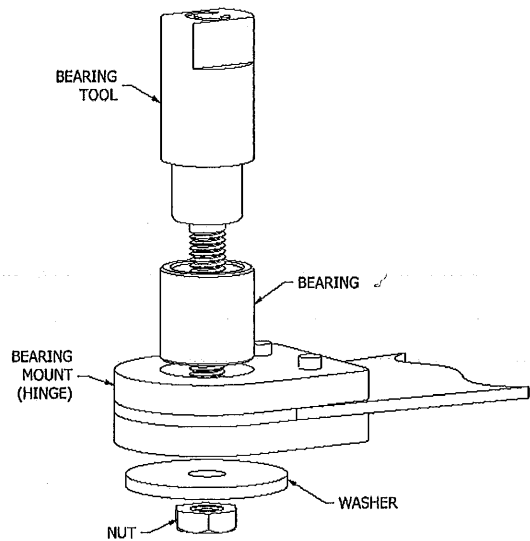


FIGURE 2 - BEARING INSTALLATION

Project Engineer: <i>[Signature]</i>	Quality Manager: <i>[Signature]</i>
Date: 06-PCC-2010	Date: 1-25-11
Engineering Manager: <i>[Signature]</i>	Manufacturing Manager: <i>[Signature]</i>
Date: 1/25/11	Date: 1-24-11

McFarlane® McFarlane Aviation, Inc.
696 East 1700 Road
Baldwin City, Kansas 66006

Drawing List:
BEARING TOOL KIT INSTRUCTIONS

Size: A	Scale: NA	Drawn: J	Sheet: 1 of 2
Drawing Number: 998			REVISION
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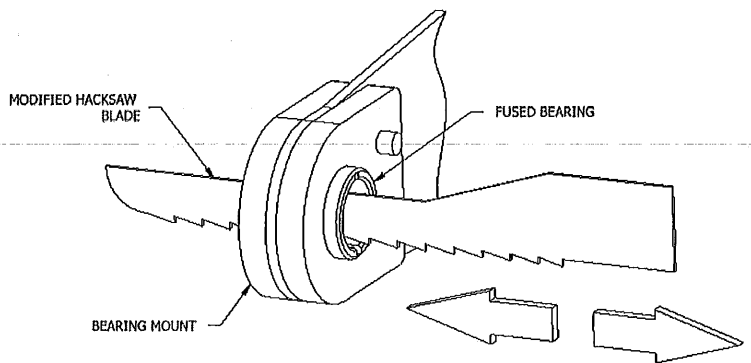
B	12/09/2010	Updated Application Chart
A	11/18/2010	ADDED INSTRUCTIONS FOR FUSED BEARINGS
~	4/28/2010	ORIGINAL
REVISION		

"X": Bold letter indicates revision level.

INSTRUCTIONS FOR FUSED BEARING REMOVAL:

DUE TO VARYING METHODS OF INSTALLATION AND/OR ENVIRONMENTAL CONDITIONS ENCOUNTERED BY THE AIRCRAFT, SOME BEARINGS MAY FUSE IN MOUNTING HOLE. SHOULD THIS OCCUR, THE FOLLOWING STEPS MAY BE REQUIRED:

1. MODIFY A FINE TOOTH HACKSAW BLADE BY GRINDING THE BACK OF THE BLADE DOWN TO A HEIGHT THAT WILL FIT INSIDE BEARING.
2. WITH MODIFIED HACKSAW BLADE, CAREFULLY CUT TWO LONGITUDINAL GROOVES INTO FUSED BEARING AS SHOWN IN FIGURE 4.



DO NOT CUT THROUGH BEARING INTO BEARING MOUNT - DAMAGING BEARING MOUNT WILL REQUIRE IMMEDIATE REPLACEMENT.

3. COMPLETE BEARING REMOVAL PER BEARING REMOVAL INSTRUCTIONS.

FIGURE 3 - CUTTING BEARING

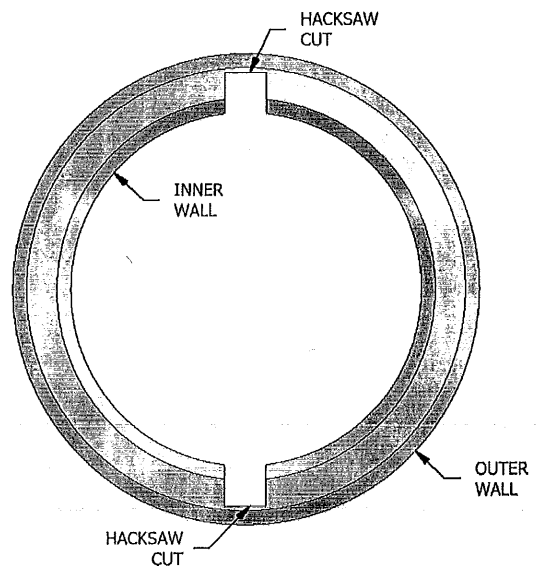


FIGURE 4 - BEARING CUT DETAIL

		McFarlane Aviation, Inc. 696 East 1700 Road Baldwin City, Kansas 66006	
Drawing List: BEARING TOOL KIT INSTRUCTIONS			
Size: A	Scale: NA	Drawn: J	Sheet: 2 of 2
Drawing Number: 998			REVISION
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