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SERVICE LETTER 151

REPLACEMENT GROVE WHEEL

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: RCG
Reference Float Models	2100A, 2350A, 3000A, 3450A, 3730A, 4000A	Part Number: 1006761	Approved: JRS
		Date: 3/18/2019	Revision: B

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	9/2/2013
B	Document format update, added 3730A and 4000A model floats	3/18/2019

FAA approval has been obtained for technical data in this publication that affects STC or TSO design compliance

EFFECTIVITY:

This service letter applies to the following float serial numbers:

2100A	21826 and prior
2350A	23148 and prior
3000A	30238 and prior
3450A	34280 and prior
3730A	ALL
4000A	ALL

COMPLIANCE:

Optional Compliance.

BACKGROUND:

Wipaire has changed the nose wheel assembly in the floats listed above from a Parker to Grove wheel.

COMPLIANCE METHOD:

Replace nose wheel in accordance per the Work Instruction section of this service letter.

APPROXIMATE SHOP HOURS:

Installing the Grove wheel will take approximately 2-4 hours per float set.

WARRANTY INFORMATION:

This service letter does not include warranty for labor and parts.

TECHNICAL DATA:

Copies of this service letter, associated service kit (if applicable), float service manual, and float parts manual are available at www.wipaire.com

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ITEMS PROVIDED IN SERVICE KIT 1006761-01 (2100A, 2350A)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	49-12AF-001	WHEEL
2	2	1005929	NOSE GEAR AXLE SPACER (2100A, 2350A)
3	1	1005927	NOSE GEAR AXLE BOLT
4	2	MS28775-029	O-RING

ITEMS PROVIDED IN SERVICE KIT 1006761-02 (3000A, 3450A, 3730A, 4000A)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	49-12AF-001	WHEEL
2	2	1005928	NOSE GEAR AXLE SPACER (3000A, 3450A, 3730A, 4000A)
3	1	1005927	NOSE GEAR AXLE BOLT
4	2	MS28775-029	O-RING

WORK INSTRUCTION

NOTE: Reference the following figures as reference when completing this service letter:

- Figure 1: 2100A, 2350 Parker Assembly
- Figure 2: 2100A, 2350 Grove Assembly
- Figure 3: 3000, 3730, 3450, 4000 Parker Assembly
- Figure 4: 3000, 3730, 3450, 4000 Grove Assembly

REMOVING PARKER WHEEL

1. Jack aircraft and place on stands.
2. Pull gear select and gear pump circuit breaker.
3. By holding the 3A06702-002 axle bolt head in place and rotate **ONLY** the MS21083N8 nut off the 3A06702-002 axle bolt.
4. Pull out the 3A06702-002 axle bolt and remove nose wheel assembly from the nose gear fork.

NOTE: Anti rotation pin is used to prevent bolt from rotating. Spinning the bolt head will break anti rotation pin.

5. Remove air from tire and break loose tire beads.

WARNING!

Serious injury can result from attempting to separate wheel halves while tire and tube are still inflated.

6. Remove AN thru-bolts and associated washers and nuts that hold the wheel halves together.
7. Split wheel halves and remove tire and tube.
8. Discard wheel halves, spacers, and 068-30373 gasket.
9. Inspect tire and tube and replace if needed.

INSTALLING GROVE WHEEL

1. Remove AN thru-bolts and associated washers and nuts from Grove wheel assembly.

NOTE: Grove wheel assembly bearings come pre-greased with BG Special HCF Grease part number 605. If desired, remove all existing grease in wheel assembly. Repack bearings with desired grease and reassemble.

2. Remove and replace the O-rings that are attached to the 010-019 nose wheel grease retainer.
3. Insert tube in tire, aligning index marks on tire and tube.
4. Place wheel half with the valve stem hole into tire.
5. Place other wheel half into other side of tire with 010-019 nose wheel grease retainer and attached O-rings between wheel halves. Ensure tube and nose wheel grease retainer is not pinched between wheel halves before torquing hardware.
6. Insert AN thru-bolts and associated washers and nuts and torque to specifications provided by wheel manufacturer.
7. Place the wheel and tire in an inflation cage and inflate tire to seat tire beads, then inflate or deflate to specifications provided the applicable float service manual.
8. Assemble nose wheel assembly to the nose gear fork by inserting the 3A06702-002 bolt.
9. By holding the 3A06702-002 bolt head in place and rotate ONLY the MS21083N8 nut onto the 3A06702-002 bolt and torque to proper specifications.
10. Grease the 10095K41 grease zerk until entire bearing cavity is full and a steady stream of grease is exiting the vent hole in the opposite end of the axle bolt.
11. Push in gear select and gear pump circuit breaker.
12. Remove aircraft jacks.
13. Upon completion of inspection, enter information in Aircraft Logbook for completion of this Wipaire service letter.
14. Visit www.wipaire.com and update your aircraft service letter/kit record using the link found on the Customer Support dropdown menu under "Update Service Letter & Kit Compliance Status."

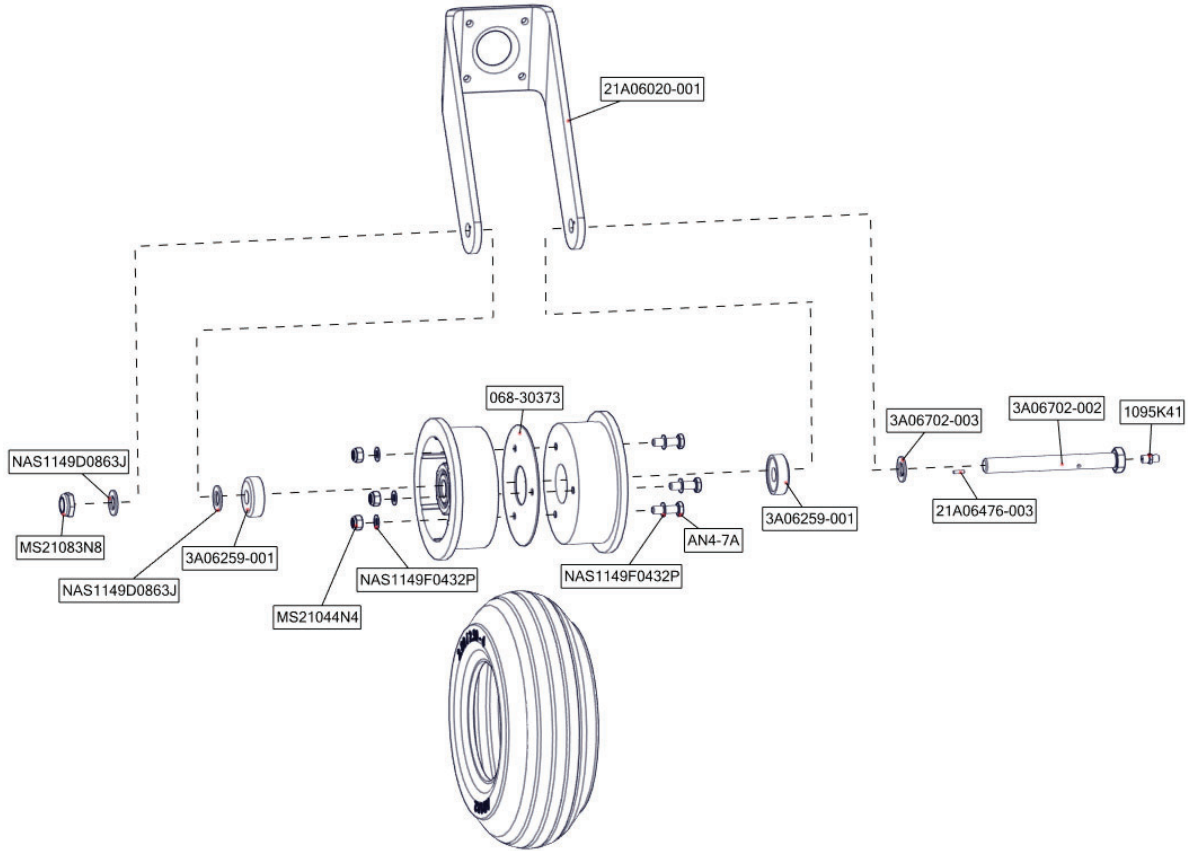


FIGURE 1: 2100, 2350 PARKER ASSEMBLY

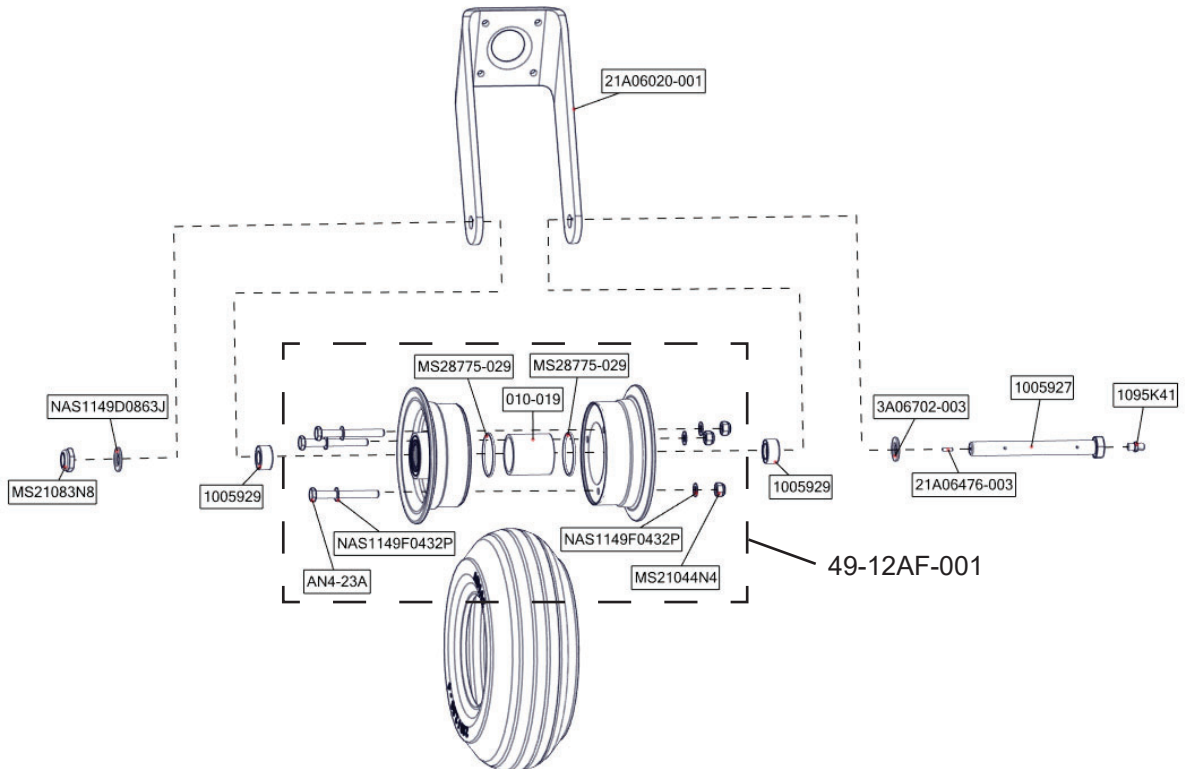


FIGURE 2: 2100, 2350 GROVE ASSEMBLY

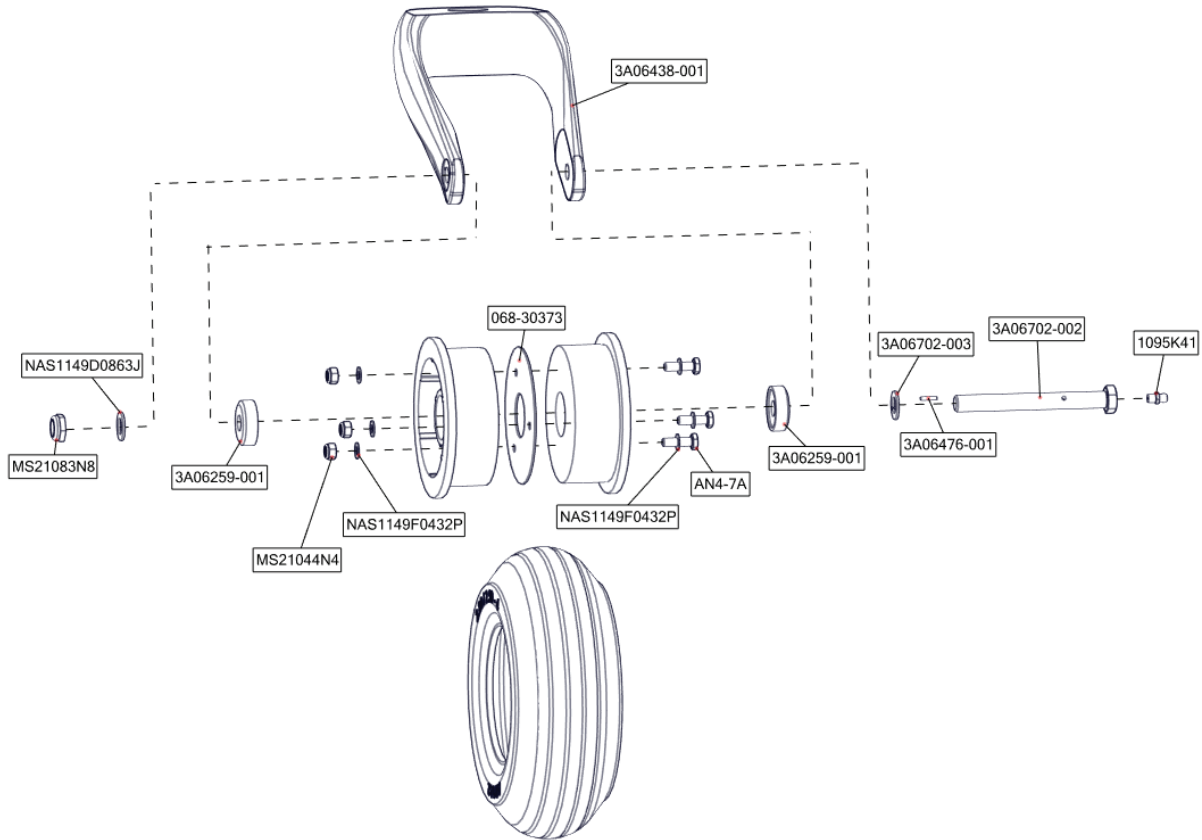


FIGURE 3: 3000, 3730, 3450, 4000 PARKER ASSEMBLY

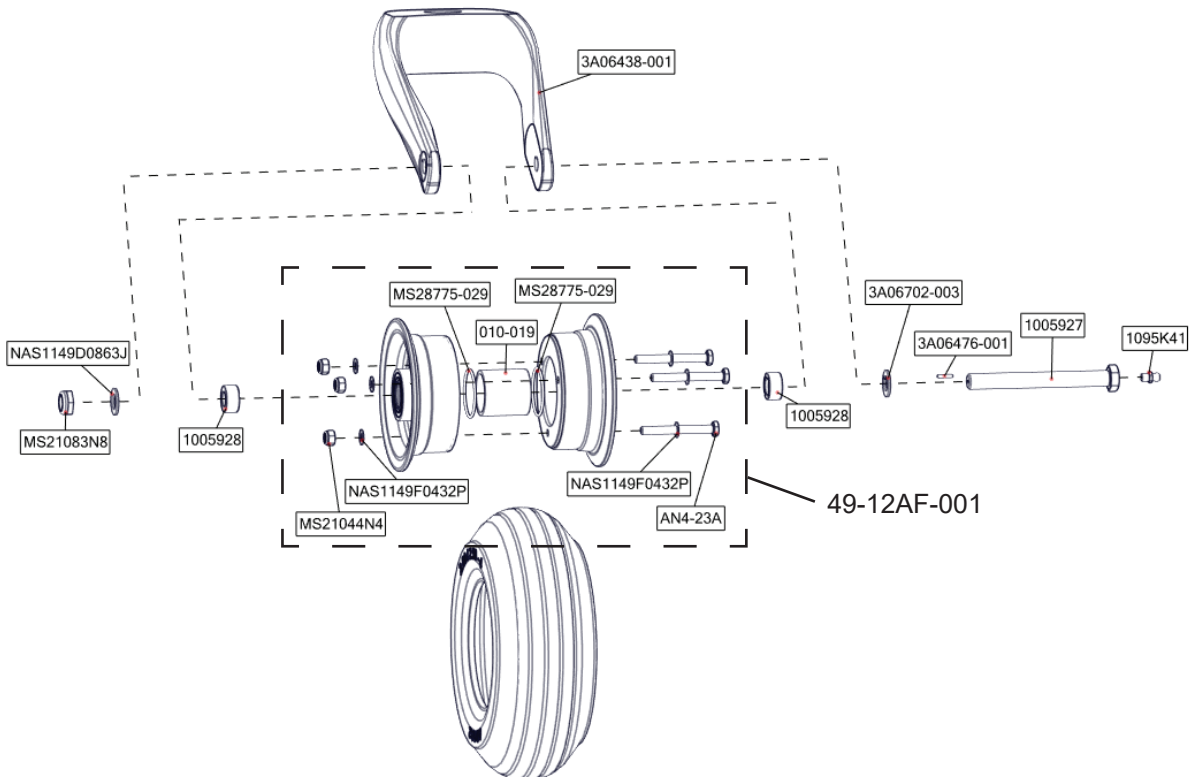


FIGURE 4: 3000, 3730, 3450, 4000 GROVE ASSEMBLY