



ABI 3200/ABI 3224A Tailwheel Assembly Installation Instructions FAA-PMA

This ABI 3200/ABI 3224A Assembly is an FAA-PMA direct replacement for Scott 3200/3200A Assembly. The installer is responsible for ensuring that the assembly is installed in accordance with the original equipment installation instructions.

Removal & Installation Instructions of 3200/3224A assembly:

- A)** Following airframe manufacturer's instructions, properly raise and support the tail of the aircraft off of the ground.
- B)** Disconnect & inspect the steering springs & chains from the tailwheel assembly.
- C)** Remove the old assembly from the tailspring, inspect the attach bolt and tail spring for correct arch. The center pivot spindle should angle back away from the airplane 5 to 7 degrees when un-loaded and be perpendicular to the ground at maximum gross weight. (Note: ABI recommends replacement of all attachment hardware.)
- D)** Re-install and adjust in reverse procedure, following the original airframe manufacturer's installation instructions. (NOTE: Tension on connector spring is not required or advisable. Over tension will create binding of the steering arm causing it to bend and damage internal parts. Connector springs and connector chain should be just slack. ABI recommends connecting the connector springs to an eye-bolt, not to the rudder arm.
- E)** All ABI 3200 series assemblies are pre-lubed at the factory with Exxon-Mobile SCH-100 grease. Over greasing of the axle will force the wheel seals (PN: ABI-1863) out against the bearing pre-load spacer (PN: ABI-3227-00) causing premature wear on the seals.

PMA Notice:

The ABI 3200/ABI 3224A assembly carries a FAA PMA marking, which identifies it as having been fully tested, inspected and qualified to meet the FAA specifications and requirements.

After final PMA approval, substitution of critical parts, change of process or materials is not permitted without re-qualification of parts and pieces and resubmitted to the FAA for approval. FAA regulations subject ABI, LLC PO Box 670989, 20130 Birchwood Spur Rd., Chugiak, AK 99567 and the user to constant surveillance that all quality assurance materials and processes contents are maintained in order to provide replacement parts that are the same as the Original Equipment parts in the assembly.

ABI, LLC

PO Box 670989, 20130 Birchwood Spur Rd., Chugiak, AK 99567

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907-331-4480

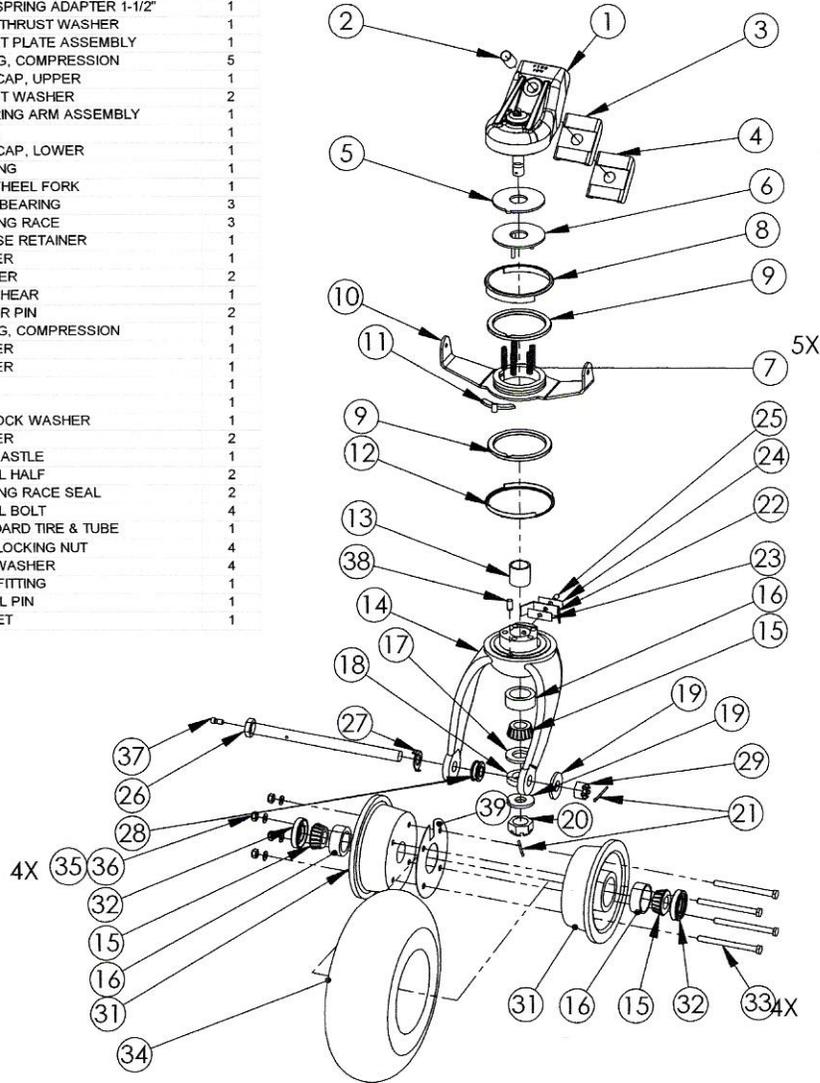
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abi3224A-II 042716



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ITEM	PART NUMBER	DESCRIPTION	QTY
X	ABI-3224A	STD TAIL WHEEL AND FORK ASSY	X
1	ABI-3216-00	BRACKET ASSEMBLY	1
2	ABI-3241-3S	SPACER	1
3	ABI-3243-02	LEAF SPRING ADAPTER 1-1/4"	1
4	ABI-3243-01	LEAF SPRING ADAPTER 1-1/2"	1
5	ABI-3207-00	FIBER THRUST WASHER	1
6	ABI-3234-00	THRUST PLATE ASSEMBLY	1
7	ABI-3233-00	SPRING, COMPRESSION	5
8	ABI-3411-02	DUST CAP, UPPER	1
9	ABI-3206-00	THRUST WASHER	2
10	ABI-3214-00	STEERING ARM ASSEMBLY	1
11	ABI-3219-00	PAWL	1
12	ABI-3411-01	DUST CAP, LOWER	1
13	ABI-3205-00	BUSHING	1
14	ABI-3224	TAIL WHEEL FORK	1
15	A4050	CONE BEARING	3
16	A4138	BEARING RACE	3
17	1863 or ABI-7024	GREASE RETAINER	1
18	ABI-2504-1	SPACER	1
19	AN960-816	WASHER	2
20	AN320-8	NUT, SHEAR	1
21	MS24665-283	COTTER PIN	2
22	ABI-3222-00	SPRING, COMPRESSION	1
23	ABI-3258-00	SPACER	1
24	ABI-3258-01	SPACER	1
25	ABI-3257-00	PIN	1
26	ABI-845 or ABI-3236	AXLE	1
27	ABI-3225-00	TAB LOCK WASHER	1
28	ABI-3227-00	SPACER	2
29	33475-008	NUT, CASTLE	1
31	ABI-3244-00	WHEEL HALF	2
32	ABI-7024	BEARING RACE SEAL	2
33	AN4-7A	WHEEL BOLT	4
34	2.80X2.50X4	STANDARD TIRE & TUBE	1
35	33478-202	SELF LOCKING NUT	4
36	1/4" WASHER	FLAT WASHER	4
37	T7201	ZERK FITTING	1
38	ABI-232-046	DOWEL PIN	1
39	ABI-2602	GASKET	1



ABI-3224A complete Assembly weight: 8.2lbs.

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