



**ABI 3200B Tailwheel Assembly**  
**Installation Instructions**  
**FAA-PMA PQ4204CE**  
**ABI-3200B-II, REV A, 12/7/2022**

The ABI-3200B Assembly is an FAA-PMA part for installation with STC SA01233SE for aircraft listed on our FAA Approved Model List (AML). The installer is responsible for ensuring that the assembly is installed in accordance with the original equipment installation instructions.

**Removal & Installation Instructions of ABI 3200B assembly:**

- A)** Following airframe manufacturer's instructions, properly raise and support the tail of the aircraft off the ground.
- B)** Disconnect & inspect the steering springs & chains from the tailwheel assembly.
- C)** Remove the old assembly from the tail spring, 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.



# ABI 3200B Tailwheel Assembly Installation Instructions FAA-PMA PQ4204CE ABI-3200B-II, REV A, 12/7/2022

ABI-3200B Complete Assembly weight: 12lbs

PART NO.	PART NUMBER	DESCRIPTION	PMA #	QTY	PMA #	QTY
1	ABI3200A	STD. BUSH ASSEMBLY	---	1	---	1
2	ABI3001A	TYE BOLT HEAD ASSEMBLY	---	1	---	1
3	ABI3200B	FRONT TAIL WHEEL	---	1	---	1
4	ABI3204A	FRONT PLATE ASSEMBLY	---	1	---	1
5	ABI3205A	SPRING COMPRESSION	3 OR 5	1	---	1
6	ABI3206A	FRONT WHEEL	---	2	---	2
7	ABI3207A	FRONT WHEEL ASSEMBLY	---	1	---	1
8	ABI3208A	FRONT WHEEL NUT	---	1	---	1
9	ABI3209A	FRONT WHEEL WHEEL	---	1	---	1
10	ABI3210A	FRONT WHEEL COIL	---	1	---	1
11	ABI3211A	FRONT WHEEL BUSHING	---	3	---	3
12	ABI3212A	FRONT WHEEL BUSHING	---	3	---	3
13	ABI3213A	FRONT WHEEL BUSHING	---	3	---	3
14	ABI3214A	FRONT WHEEL BUSHING	---	3	---	3
15	ABI3215A	FRONT WHEEL BUSHING	---	2	---	2
16	ABI3216A	FRONT WHEEL BUSHING	---	1	---	1
17	ABI3217A	FRONT WHEEL BUSHING	---	2	---	2
18	ABI3218A	FRONT WHEEL BUSHING	---	1	---	1
19	ABI3219A	FRONT WHEEL BUSHING	---	1	---	1
20	ABI3220A	FRONT WHEEL BUSHING	---	1	---	1
21	ABI3221A	FRONT WHEEL BUSHING	---	1	---	1
22	ABI3222A	FRONT WHEEL BUSHING	---	1	---	1
23	ABI3223A	FRONT WHEEL BUSHING	---	1	---	1
24	ABI3224A	FRONT WHEEL BUSHING	---	2	---	2
25	ABI3225A	FRONT WHEEL BUSHING	---	1	---	1
26	ABI3226A	FRONT WHEEL BUSHING	---	1	---	1
27	ABI3227A	FRONT WHEEL BUSHING	---	2	---	2
28	ABI3228A	FRONT WHEEL BUSHING	---	4	---	4
29	ABI3229A	FRONT WHEEL BUSHING	---	4	---	4
30	ABI3230A	FRONT WHEEL BUSHING	---	4	---	4
31	ABI3231A	FRONT WHEEL BUSHING	---	1	---	1
32	ABI3232A	FRONT WHEEL BUSHING	---	1	---	1
33	ABI3233A	FRONT WHEEL BUSHING	---	1	---	1
34	ABI3234A	FRONT WHEEL BUSHING	---	1	---	1
35	ABI3235A	FRONT WHEEL BUSHING	---	1	---	1
36	ABI3236A	FRONT WHEEL BUSHING	---	1	---	1
37	ABI3237A	FRONT WHEEL BUSHING	---	1	---	1
38	ABI3238A	FRONT WHEEL BUSHING	---	1	---	1
39	ABI3239A	FRONT WHEEL BUSHING	---	1	---	1
40	ABI3240A	FRONT WHEEL BUSHING	---	1	---	1
41	ABI3241A	FRONT WHEEL BUSHING	---	1	---	1
42	ABI3242A	FRONT WHEEL BUSHING	---	1	---	1
43	ABI3243A	FRONT WHEEL BUSHING	---	1	---	1
44	ABI3244A	FRONT WHEEL BUSHING	---	1	---	1
45	ABI3245A	FRONT WHEEL BUSHING	---	1	---	1
46	ABI3246A	FRONT WHEEL BUSHING	---	1	---	1
47	ABI3247A	FRONT WHEEL BUSHING	---	1	---	1
48	ABI3248A	FRONT WHEEL BUSHING	---	1	---	1
49	ABI3249A	FRONT WHEEL BUSHING	---	1	---	1
50	ABI3250A	FRONT WHEEL BUSHING	---	1	---	1
51	ABI3251A	FRONT WHEEL BUSHING	---	1	---	1
52	ABI3252A	FRONT WHEEL BUSHING	---	1	---	1
53	ABI3253A	FRONT WHEEL BUSHING	---	1	---	1
54	ABI3254A	FRONT WHEEL BUSHING	---	1	---	1
55	ABI3255A	FRONT WHEEL BUSHING	---	1	---	1
56	ABI3256A	FRONT WHEEL BUSHING	---	1	---	1
57	ABI3257A	FRONT WHEEL BUSHING	---	1	---	1
58	ABI3258A	FRONT WHEEL BUSHING	---	1	---	1
59	ABI3259A	FRONT WHEEL BUSHING	---	1	---	1
60	ABI3260A	FRONT WHEEL BUSHING	---	1	---	1
61	ABI3261A	FRONT WHEEL BUSHING	---	1	---	1
62	ABI3262A	FRONT WHEEL BUSHING	---	1	---	1
63	ABI3263A	FRONT WHEEL BUSHING	---	1	---	1
64	ABI3264A	FRONT WHEEL BUSHING	---	1	---	1
65	ABI3265A	FRONT WHEEL BUSHING	---	1	---	1
66	ABI3266A	FRONT WHEEL BUSHING	---	1	---	1
67	ABI3267A	FRONT WHEEL BUSHING	---	1	---	1
68	ABI3268A	FRONT WHEEL BUSHING	---	1	---	1
69	ABI3269A	FRONT WHEEL BUSHING	---	1	---	1
70	ABI3270A	FRONT WHEEL BUSHING	---	1	---	1
71	ABI3271A	FRONT WHEEL BUSHING	---	1	---	1
72	ABI3272A	FRONT WHEEL BUSHING	---	1	---	1
73	ABI3273A	FRONT WHEEL BUSHING	---	1	---	1
74	ABI3274A	FRONT WHEEL BUSHING	---	1	---	1
75	ABI3275A	FRONT WHEEL BUSHING	---	1	---	1
76	ABI3276A	FRONT WHEEL BUSHING	---	1	---	1
77	ABI3277A	FRONT WHEEL BUSHING	---	1	---	1
78	ABI3278A	FRONT WHEEL BUSHING	---	1	---	1
79	ABI3279A	FRONT WHEEL BUSHING	---	1	---	1
80	ABI3280A	FRONT WHEEL BUSHING	---	1	---	1
81	ABI3281A	FRONT WHEEL BUSHING	---	1	---	1
82	ABI3282A	FRONT WHEEL BUSHING	---	1	---	1
83	ABI3283A	FRONT WHEEL BUSHING	---	1	---	1
84	ABI3284A	FRONT WHEEL BUSHING	---	1	---	1
85	ABI3285A	FRONT WHEEL BUSHING	---	1	---	1
86	ABI3286A	FRONT WHEEL BUSHING	---	1	---	1
87	ABI3287A	FRONT WHEEL BUSHING	---	1	---	1
88	ABI3288A	FRONT WHEEL BUSHING	---	1	---	1
89	ABI3289A	FRONT WHEEL BUSHING	---	1	---	1
90	ABI3290A	FRONT WHEEL BUSHING	---	1	---	1
91	ABI3291A	FRONT WHEEL BUSHING	---	1	---	1
92	ABI3292A	FRONT WHEEL BUSHING	---	1	---	1
93	ABI3293A	FRONT WHEEL BUSHING	---	1	---	1
94	ABI3294A	FRONT WHEEL BUSHING	---	1	---	1
95	ABI3295A	FRONT WHEEL BUSHING	---	1	---	1
96	ABI3296A	FRONT WHEEL BUSHING	---	1	---	1
97	ABI3297A	FRONT WHEEL BUSHING	---	1	---	1
98	ABI3298A	FRONT WHEEL BUSHING	---	1	---	1
99	ABI3299A	FRONT WHEEL BUSHING	---	1	---	1
100	ABI3300A	FRONT WHEEL BUSHING	---	1	---	1

  
  

**NOTES:**

1. P/N ABI3200B IS DERIVATIVE TWO
2. THE TAIL WHEEL ASSEMBLY IS TO BE REMOVED TO LIGHTEN AIRCRAFT.
3. P/N ABI3200B AND ABI3200C ARE INTERCHANGEABLE.

SPACER LOCATIONS ARE INTERCHANGEABLE

  

THIS TAIL WHEEL AND CORE ASSEMBLY IS IDENTIFIED BY THE FOLLOWING PART NUMBER: **ABI-3200B**

SCALE: 1:1