



ABI 3400B Tailwheel Assembly Installation Instructions FAA-PMA PQ1557NM

This ABI 3400B Assembly is an FAA-PMA part for installation with STC SA01636SE 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 3400B assembly:

A) Following airframe manufacturers 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 manufacturers 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 3400 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 3400B assembly carries a PMA marking (FAA-PMA # PQ1557NM), 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 Alaskan Bushwheel Inc., PO Box 2380, 83496 E. Russell LN, Joseph, OR 97846 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-3400B Complete Assembly weight: 13.6lbs

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