



Maule Tail Spring Kit
ABI-4000
Installation Instructions

Installation Instructions for Alaskan Bushwheel™ 1 ¾" Tail Spring for Maule Conventional Geared Aircraft.

Consult the current revision Maule Aerospace Technology Inc. Maintenance manual for the aircraft model that the tail spring assembly is being installed.

1. Carefully block aircraft main wheels and lock brakes so the aircraft cannot roll.
2. Carefully raise and support tail, so the tail wheel is clear of the ground.
3. Remove tailwheel assembly from the original spring assembly.
4. Remove original Maule 1 ½" spring, (PN 4004/5/6) and spring attach bracket (PN 4003).
5. Carefully inspect original attach bolts. Replace worn bolts with new.
6. In reverse, re-install Alaskan Bushwheel™ 1 ¾" spring pack (PN ABI-4004/5/6) using Alaskan Bushwheel™ Bracket (PN ABI-4003). Torque all bolts to manufacture's specifications. Install cotter pins where required.
7. Re-install tailwheel assembly without Scott 1 ½ spring spacer (PN 3241-15 or ABI-3241-3S). Torque attach bolt to manufacturer's specifications.
8. Carefully lower aircraft tail back to the ground.
9. Revise weight and balance. Make appropriate log book/ maintenance record entries.

ABI, LLC.

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