

Hartzell Propeller LLC.  
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## Hartzell Propeller – Warranty Labor Hours Allowance

### Disclaimer:

The labor allowances and times listed in this document are provided for general reference purposes only. They represent standard labor estimates developed under typical conditions for qualified personnel using appropriate tools and equipment.

Actual labor hours may vary depending on aircraft configuration, installation, accessibility, tooling, and component condition. These values do **not** constitute a guarantee or commitment by Hartzell Propeller for reimbursement.

All warranty claims and associated labor reimbursements are subject to review and approval by Hartzell Propeller in accordance with the terms and conditions of the applicable **Hartzell Limited Warranty**. Prior written preapproval from Hartzell Propeller must be obtained before commencing any work related to warranty claims, including labor reimbursement, parts reimbursement, and rental or loaner propeller expenses.

Hartzell Propeller reserves the right to revise, update, or withdraw these labor allowances at any time without prior notice.

Use of this document indicates acknowledgment and acceptance of these terms.

### Repair Grease Leak:

#### Steel hub

(recip, turbine, feathering, nonfeathering) Includes removal of clamp assembly/disassembly, cleaning parts, visually inspect hub parts and blades, reassemble, set angles, balance, safety.

	Non-De-iced	De-iced
1 blade	2.5 hours	3.5 hours
2 blades	3.5 hours	4.5 hours
3 blades	4.5 hours	5.5 hours
4 blades	5.5 hours	6.5 hours
5 blades	6.5 hours	7.5 hours

#### Aluminum Hub, Compact -1, -4 props

Includes propeller disassembly, cleaning, visually inspect hub and blades, install new seals, reassemble/reseal, reset blade angles, and static balance.

2 blade	4.0 hours	5.0 hours
3 blade	5.0 hours	6.0 hours
4 blade	6.0 hours	7.0 hours

#### Aluminum Hub, Compact -2, -5 props

Includes propeller disassembly, cleaning, visually inspect hub and blades, install new seals, reassemble/reseal, reset blade angles, and static balance.

2 blade	4.0 hours	5.0 hours
3 blade	5.0 hours	6.0 hours
4 blade	6.0 hours	7.0 hours

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Aluminum Hub Turbine (-3)

Includes propeller disassembly, cleaning, visually inspect hub and blades, install new seals, reassemble/reseal, reset blade angles, and static balance.	4 blade	8.0 hours	10.0 hours
	5 blade	9.0 hours	11.0 hours
	6 blade	10.0 hours	12.0 hours

Aluminum Hub Turbine (-2, -5)

Included propeller disassembly, cleaning, visually inspect hub and blades, install new seals, reassemble/reseal, reset blade angles, and static balance.	4 blade	6.0 hours	8.0 hours
	5 blade	7.0 hours	9.0 hours
	6 blade	8.0 hours	10.0 hours

**Repair Oil Leak:**

Steel Hub

Includes removal of cylinder/piston where applicable, cleaning parts, visually inspect areas, reassemble, reset angles when necessary, balance and safety.	-3 steel turbine	4.0 hours
	all others	3.0 hours

Aluminum Hub, Compact

Includes removal of cylinder, cleaning of parts, visual inspection of parts, reassemble/reseal, reset of blade angles, and static balance.	2 blade	4.0 hours
	3 blade	5.0 hours
	4 blade	6.0 hours

Aluminum Hub, Compact (Feathering)

Includes removal of cylinder, cleaning of parts, visual inspection of parts, reassemble/reseal, reset of blade angles, and static balance	2 blade	5.0 hours
	3 blade	6.0 hours
	4 blade	7.0 hours

Aluminum Hub, Turbine (-3)

Includes removal of cylinder, cleaning of parts, visual inspection of parts, reassemble/reseal, reset of blade angles, and static balance.	4 blade	8.0 hours	10.0 hours
	5 blade	9.0 hours	11.0 hours
	6 blade	10.0 hours	12.0 hours

Aluminum Hub, Turbine (-2, -5)

Includes removal of cylinder, cleaning of parts, visual inspection of parts, reassemble/reseal, reset of blade angles, and static balance.	4 blade	6.0 hours	8.0 hours
	4 blade	7.0 hours	9.0 hours
	4 blade	8.0 hours	10.0 hours

**Bench Check Propeller:**

Includes checking angles, edge and face alignment,	2 blade	3.0 hours
twist distribution, track and balance, general visual	3 blade	3.5 hours
inspection. NO DISASSEMBLY. Covers inspection only.	4 blade	4.0 hours
Record and report findings, any findings addressed	5 blade	4.5 hours
individually.	6 blade	5.0 hours

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start locks

+0.5 hour

external beta

+1.0 hour

#### Install New Hub:

Includes disassembly, clean parts, visually inspect hub parts, install new hub/blades, reassemble, set angles, balance, safety.

2 blade 5.0 hours

3 blade 6.0 hours

4 blade 7.0 hours

5/6 blade 8.0 hours

start locks

+0.5 hour

external beta

+1.0 hour

#### Loose Blades:

Use grease leak allowables.

#### Governors:

Includes Governor tests and checks.

1.0 hour

Reseal Governor

2.0 hours

#### Removal And Installation of Propeller:

(Covered only at HPI Warranty Administrator's discretion, coverage must be preapproved)

	<b>Non-De-iced</b>	<b>De-iced</b>
Recip engine	2.0 hours	2.5 hours
Turbine engine	3.0 hours	3.5 hours

#### Dynamic Balance:

(Covered only at HPI Warranty Administrator's discretion, coverage must be preapproved)

Recip engine	2.5 hours
Turbine engine	3.0 hours

#### Blade Refinishing (without disassembly):

Includes paint removal, blade visual inspection and paint application.

1 Aluminum blade 2.0 hours

1 Composite blade 3.0 hours

#### Teflon Installation:

1 blade 1.0 hour

#### Lightweight Hub Bushings:

1.0 hour

#### Spinner Dome Removal and Installation:

0.5 hour

#### Removal and Installation of De-Ice boots:

per blade 2.0 hours