

Instructions for Using Jake's Nose Landing Gear Adjustment Tool

Step 1: Prioritize Safety

- **Ensure the aircraft is on a level, smooth surface** to minimize any shifting and prevent nose gear binding.
- **Set the aircraft parking brake** to secure the aircraft and prevent any unintended movement.
- **Wear proper PPE** (Personal Protective Equipment), including gloves and safety goggles, to protect yourself during the adjustment process.

Step 2: Inspect the Tool

- **Examine Jake's Nose Landing Gear Adjustment Tool** for any damage or excessive wear. Although the tool is made of durable hard maple, it can still break under excessive force. Look for any signs of cracking, splitting, or other imperfections in the wood. If you notice any damage, **do not use the tool**.

Step 3: Locate the Nose Landing Gear

- **Position yourself safely in front of the aircraft**, ensuring a clear and safe line of sight.
- **Identify the wheel hub** on the nose landing gear assembly and ensure there is unobstructed access to the entire nose gear.

Step 4: Prepare the Tool

- **Insert Jake's Nose Landing Gear Adjustment Tool** into the wheel hub until the tool collar contacts the hub.
- **Ensure the tool is suitable for the aircraft model** by confirming it fits smoothly into the wheel hub without binding. Check for any debris or obstructions that could interfere with the tool's operation.
- **Rotate the tool so that the "UP" label** (printed on the handle) is facing upward. This ensures that the wood grain is aligned parallel to the ground, preventing potential failure of the tool.

Step 5: Adjust the Nose Landing Gear

- **Stand with your feet shoulder-width apart** for stability and apply forward or backward pressure on the tool to adjust the nose landing gear to the desired position.
- **Limit the adjustment to small increments.** Do not rotate the nose gear by more than 10 degrees. The tool is designed for minor adjustments to assist with the installation or removal of the nose landing gear pin. **If larger adjustments are required, do not use this tool.**

- **Do not apply excessive weight or force.** Using your body weight beyond a reasonable amount could cause injury and likely means you are trying to adjust the gear beyond the tool's intended capacity.

Step 6: Clean and Store the Tool

- **Carefully remove the tool** from the nose landing gear wheel hub once the adjustment is complete.
- **Clean the tool** to ensure it remains in optimal condition for future use.
- **Store the tool in a safe, dry location** where it won't be exposed to extreme conditions or potential damage.

By following these steps, you will ensure that the nose landing gear is adjusted safely and accurately using **Jake's Nose Landing Gear Adjustment Tool**. Always adhere to the specific manufacturer guidelines and restrictions for your aircraft model to maintain the highest standards of safety during the adjustment process. This product is not approved or endorsed by any aircraft manufacturer.