

**TABLE OF CONTENTS**

**SECTION – LUBRICATION**

<b>GENERAL.....</b>	<b>4.1</b>
<b>LUBRICATION SCHEDULE.....</b>	<b>4.1</b>
<b>Daily.....</b>	<b>4.1</b>
<b>Use General Purpose Grease.....</b>	<b>4.1</b>
<b>Every 100 Hours.....</b>	<b>4.1</b>
<b>Use General Purpose Grease.....</b>	<b>4.1-2</b>
<b>Use General Purpose Oil.....</b>	<b>4.2-3</b>
<b>Every Annual Inspection.....</b>	<b>4.3</b>
<b>Use General Purpose Grease.....</b>	<b>4.3</b>
<b>Use General Purpose Oil.....</b>	<b>4.3</b>

**GENERAL**

Lubrication of the aircraft is performed in accordance with the Lubrication Schedule in this section.

General purpose grease is specified Mystik JT-6 or equivalent.

General purpose oil is common engine oil or equivalent.

**LUBRICATION SCHEDULE****Daily****(Use General Purpose Grease)**

1. Grease fitting on tail wheel (if in rice operations).
2. Grease fitting on tail wheel housing (if in rice operations).

**CAUTION**

Excessive grease pressure inside housing can shear the bolt that attaches centering-spring cap to fork.

3. Grease fitting on lock pin housing (if in rice operations).
4. For row-crop work perform the above on weekly basis.

**Every 100 Hours****(Use General Purpose Grease)**

1. Jack tail wheel off ground, remove fork from housing, clean and grease bronze bushings and wear plate by hand packing.
2. Remove tail wheel axle bolt, axle, dis-assemble tail wheel parts and clean and hand-pack tail wheel bearings.
3. Grease fitting on both ends of control torque tube housings on cockpit floor.

4. Apply touch of grease to striker plate at door handles.
5. Apply touch of grease to spray pump brake lever slot.
6. Apply touch of grease to trim push-rods at fairlead locations.
7. Remove and pack main wheel bearings if conditions require it.
8. Apply grease to worm drive of Micro-control on spray lever and Micro-adjust worm drive on hopper handle.

**(Use General Purpose Oil)**

1. Door handles.
2. Clevis ends on power lever and condition lever and end swivels on engine push-pull cables.

<b>CAUTION</b> No oil on quadrant
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3. Control lock attachments at panel.
4. Trim tab hinges on elevators, rudder and ailerons.
5. Trim push-rods at idler and horn connections.
6. Tail wheel lock cable spring at eyebolt connection.
7. Centering spring bushing on tail wheel fork cap arm.
8. Shackle at end of tail wheel lock cable.
9. Bushing and bolt and ends of rudder horn.
10. Latch arm on seat belt.
11. Latch arms and adjust threads on hopper lid latch assembly.

12. Both ends of hopper gate push-rod outside aircraft.
13. Latch cams on fuel filler caps.
14. Micro-switch rollers on arms.
15. Check A/C drive pad oil level. Add turbine engine oil to make up fluid.

### **Every Annual Inspection**

#### **(Use General Purpose Grease)**

1. Clean and hand pack the Torrington bearings in the rear elevator idle. See Section 2-ELEVATOR CONTROLS.
2. Leaving the control rods attached, remove the boost-tab pivot assemblies at the outboard ends of the aileron tabs, at the inboard ends of the elevator tabs, and at the lower end of the rudder boost tab. Remove the boost tabs from the tab pivots at the opposite ends of the tabs. Grease all of the tab-pivots and oilite bearings. Replace the boost surfaces and their associated tab pivots.

#### **(Use General Purpose Oil)**

1. Remove flap actuator at fuselage rear spar tube and oil the bronze bushing and the steel spacer bushing.
2. Remove the trim idler attached to the rear part of the fuselage frame and oil the bronze bushing and steel spacer bushing.
3. Remove the spray lever and oil the bronze bushings inside.
4. Remove the gate push-pull tube outside the fuselage and oil the bronze bushing in the forward end.