

# ASSEMBLY

## INSTRUCTIONS FOR LIFT

REFER TO PAGES 8 AND 9 FOR ILLUSTRATION AND PARTS REFERENCES

1. Open all bundles (consisting of basic unit, Lift Bundle and Universals).
  2. Spread parts out on floor and check each bundle to be sure required parts have been shipped. Check parts received against exploded view of Lift Model Cutter in which each part can be identified by its pictorial representation, and by following centerline it can be easily determined where each piece mounts on the main frame.
  3. Mount "A" Frame Pads, (7), as shown on exploded view of Lift Model Cutter. Use bolts indicated. Torque all bolts to 110 foot pounds. (This is equal to a 110-pound pull applied on a one-foot-long wrench or fifty-five pounds on a two-foot-long wrench.) Extreme importance should be placed on the proper tightening of bolts so as to reduce the possibility of nuts shaking or vibrating loose and falling off.
  4. Assemble "A" Frame Arms (4) to Frame Pads using Lift Pins (10)—be sure the Bushing (9) is assembled in the "A" Frame Arm—Hold Lift Pin from turning by inserting drift pin or round bar through pin hole and torque nut to 300 foot-pounds. Check "A" Frame Arm to be sure it pivots about the bushing.
  5. Insert "A" Frame Spacer (8) between "A" Frame Arms at top hole as shown with spacer passing through Tension Yoke (5) and bolt in place using indicated bolt. (Torque to 55 foot-pounds.)
  6. Bolt the two Tension Straps (6) to the outside of the Tension Yoke (5) using Bolt (11) and nut (15). Bolt tension straps to cutter frame as shown using indicated bolts. (Torque bolts to fifty-five foot-pounds.)
  7. Bolt Caster Anchor Pad (22) to frame as shown using bolts indicated. (Torque bolts to fifty-five foot-pounds.)
  8. Assemble Caster Arm (23) on Cutter Frame by sliding Caster Arm Ears over anchor bracket on frame as shown. Use indicated bolt and Stover Lock Nut (37) and tighten only enough to remove end play from bolt—do not squeeze bracket ears.
  9. Mount Caster Adjusting Straps (21) on Anchor Bracket as shown being sure to place the single hole down and with straps to outside of anchor bracket ears. Use bolt (35) and Stover Lock Nut (37) as indicated and as in (8) above tighten only enough to remove end play from bolt. Insert bolt (35) through top hole in straps and bushed hole in caster arm and again tighten the Lock Nut (37) only enough to remove the end play from the bolt. To adjust cutter height, use the various holes in the adjusting strap—the top hole sets the cutter for a two-inch cutting height and each successive hole raises the cutting height an additional two inches.
  10. Assemble Caster Wheel Assembly—shown broken down into component parts—on Caster Wheel Arm as follows: Place Washer (33) over shaft on Wheel Yoke (24) and insert shaft through bearing pipe on Wheel Arm—place second washer over shaft and insert Roll Pin (32) through hole provided. Last, screw grease fitting (31) into threaded hole provided in Wheel Arm Bearing Pipe.
  11. Remove shear pin and universal retainer from gear box input shaft—grease shaft and mount Implement Half Universal on shaft, install Shear Pin and Universal Retainer. Next apply a liberal amount of grease to square shaft on Tractor Half Universal and assemble in Implement Half Universal.
  12. Check all bolts on the complete machine to see that they are torqued up properly. Required torque by bolt size is as follows:
    - a.  $\frac{5}{8}$ -inch bolts—110 foot-pounds.
    - b.  $\frac{1}{2}$ -inch bolts— 55 foot-pounds.
    - c.  $\frac{3}{8}$ -inch bolts— 23 foot-pounds.
    - d.  $\frac{3}{4}$ -inch L. H. bolt on Gear Box Output Shaft—200 foot-pounds.
    - e.  $\frac{7}{8}$ -inch Pivot bolts on blade arm—310 foot-pounds.
- NOTE: Place special emphasis on Pivot Bolts. After tightening, check blades to be sure they pivot freely.
13. Lubricate Universal Drive Shaft at both crosses, caster wheel bearings, and caster wheel pivot bearing.
  14. Fill Gear Box with oil to check plug ( $\frac{1}{8}$ -inch Pipe Plug at rear of cutter box) with S.A.E. 90 oil in the winter and S.A.E. 140 in summer months.

### FOR 1-POINT LIFT

(Refer to page 12 for illustration.)

1. Bolt the Hitch Frame (4) in place on Main Frame using 6 capscrews as shown.
2. Remove the fixed link arm from tractor hydraulic system. Replace this with Fixed Vertical Hanger (5) supplied. (CAUTION: Be sure to level the two hydraulic hitch arms on tractor. Failure to do so might cause universal to collide with hydraulic hitch cross member.)
3. Install Caster Wheels and Universals same as for 3-Point. NOTE: For proper stabilization, Dual Caster Wheels are a must for 1-point units.

### SERVICE INSTRUCTIONS LUBRICATION

Recommended greases are Pure Oil HTB, Texas Multifax No. 3 and Sinclair Litholine.

DAILY: Lubricate Universal Square Drive Shaft at sleeve.

(Continued on Page 4)