

Auger Drive Unit—Remove and Disassemble

The auger drive unit may be complete disassembled on the machine, but removal is easy and is recommended for accessibility to parts.

Hook chains from hoist into top of drive unit and take up slack.

Remove and plug the four hydraulic hoses from the auger drive motors. Cap the motor fittings to prevent contaminants from entering the motors.

3. Remove the chain retainer and the spring from the auger drive unit.

4. Remove the front gate actuating chains and the four fasteners which hold the drive unit to the rear gate.

5. Remove the unit from the hopper, being careful not to strike the auger castings against any object which might cause them to break.

6. Remove the four inspection plates: One opposing each drive motor, and one opposing each auger.

7. Remove the auger from the auger drive shaft. (See Auger: Remove and Replace.)

8. Remove the cotter pin from the castle nut on the end of the auger drive shaft and remove the nut.

9. Tap the auger drive shaft lightly with a plastic covered mallet and pull it from the auger drive housing. Locate the seals, sprocket key, and bronze thrust washer on the auger drive shaft.

10. Remove the auger drive shaft housing and thrust plate. Also locate the bronze thrust spacer which assembles between the thrust plate and the drive sprocket. The sprocket may also be removed at this point.

11. Remove the two set screws from the end of the hydraulic motor drive sprocket and replace one of them in the one hole which did not have a set screw. Tighten this set screw and the sprocket will release from the taper lock bushing. Remove the sprocket and chain. Remove the bushing from the motor shaft.

NOTE: The chain has two master links which face the hydraulic motor sprocket inspection plate. In order to remove the chain, one or both of the sprockets must be removed. There is no real reason to remove the chain master links.

12. Remove the four fasteners holding the hydraulic motor in place and remove the motor from the auger drive housing.

13. Reassemble in reverse procedure.

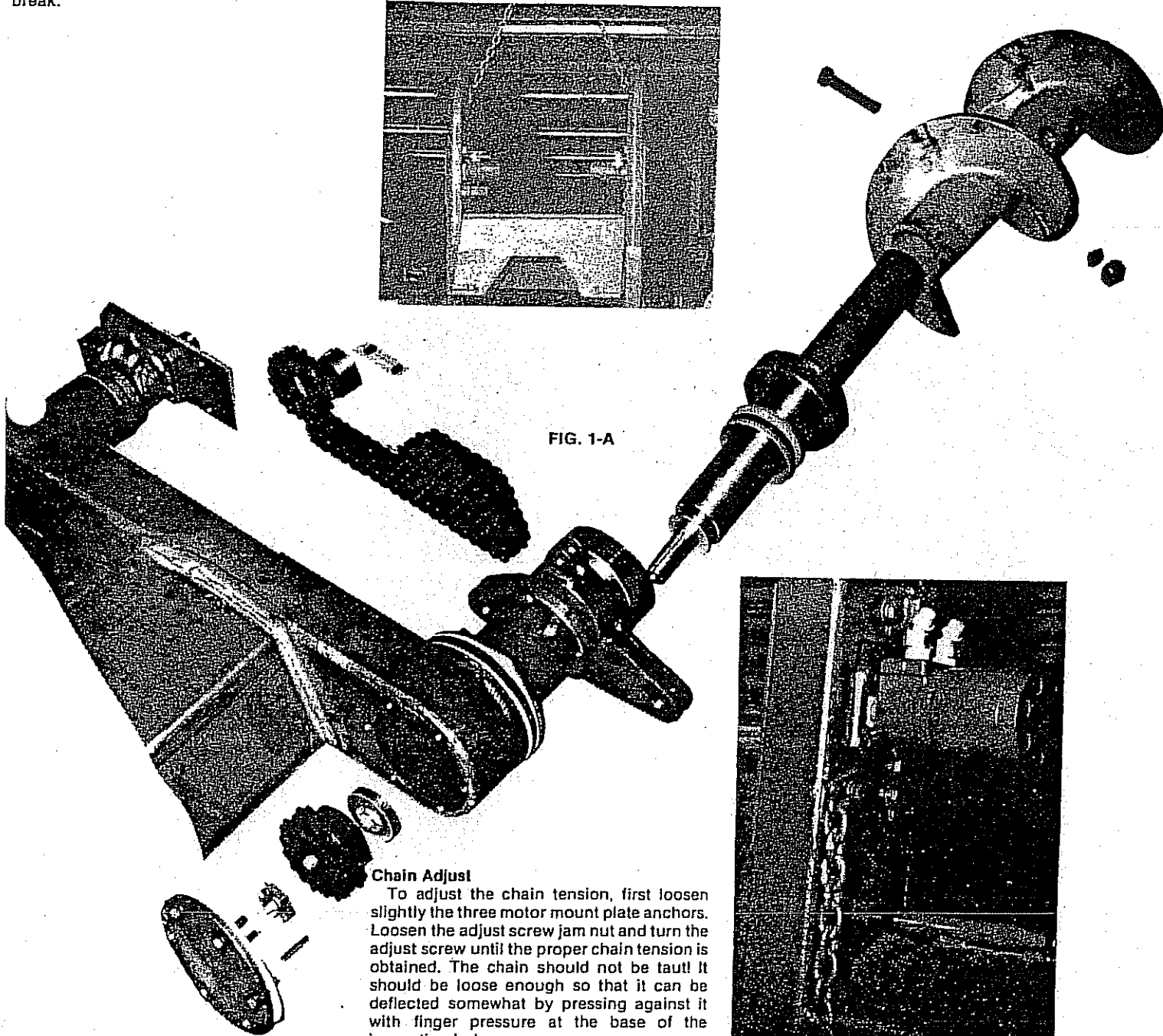
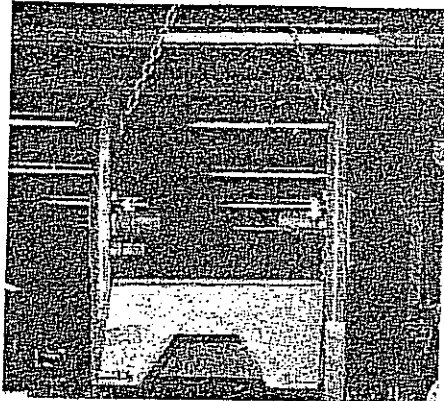


FIG. 1-A

Chain Adjust

To adjust the chain tension, first loosen slightly the three motor mount plate anchors. Loosen the adjust screw jam nut and turn the adjust screw until the proper chain tension is obtained. The chain should not be taut! It should be loose enough so that it can be deflected somewhat by pressing against it with finger pressure at the base of the inspection hole.

When the proper tension is obtained, retighten the adjust screw jam nut and retighten the motor mount plate anchors.



ADJUST CHAIN TENSION