DRIVE SHAFT EXTENSION KIT
FOR LOWBOY UNLOADING AUGERS

This kit can be installed to the Lowboy Auger when the gearbox and drive shaft covers are being assembled.

1. Bolt bearings to band on bearing stands. Attach each bearing using two retainers and one drive shaft cover mounting bracket. (See Fig. 2)

2. Slide bearing stands onto extension drive shaft. Attach extension drive shaft to auger drive shaft using a coupler (1" to 1") and two 1/4" x 1 1/2" square keys. See Fig. 1 for correct band-on bearing stand spacing. Fasten band-on bearing stand in place, using half bands and two 5/16" x 1 1/2" bolts and nuts. Tighten two bearing setscrews to lock bearing to extension drive shaft.

GEARBOX ASSEMBLY

Gearboxes are equipped with two oil fill plugs and are shipped without oil. One plug is vented and must always be on the top side of the box.

IMPORTANT: ADD 90 EP (non-foaming) oil until the gearbox is half full.

Attach gearbox to band-on mount with four 3/8" x 3/4" hex head capscrews and lockwashers.

Set gearbox on auger and connect to drive shaft with coupler and two 1/4" x 1 1/2" long square keys. (See Fig. 4)

Secure gearbox mount to auger using half band and four 5/16" x 1 1/2" hex head capscrews and locknuts.

Attach the drive shaft cover bracket to top of gearbox with two 3/8" x 3/4" hex head capscrews with lockwashers.
DRIVE SHAFT COVERS

PLEASE REMEMBER THESE COVERS PROVIDE IMPORTANT PROTECTION FOR PERSONS AROUND AN AUGER THAT IS IN OPERATION. Proper installation is important.

Determine the location of the various lengths of drive shaft covers by placing them alongside the tube assembly in the order shown in Fig. 1. Begin at the intake end of the unit. Work up the unit, overlapping covers at each bearing stand.

TO INSTALL TWO-PIECE DRIVE SHAFT COVER
There is a special two piece section of drive shaft cover that installs between the gearbox and the first bearing stand. It telescopes together to vary in length.

This telescoping cover consists of a standard piece that telescopes into a special piece of cover with retaining bottom edges.

Center the slots in the covers over the hole in the mounting bracket.

Place 1" O.D. flat washer over the slot in the cover and drive the self tapping slotted hex head screw through the hole in the mounting bracket. Tighten the metal screw down to the flat washer and cover. DO NOT over tighten and strip out the hole in the mounting bracket. See Fig. 5.

CAUTION: THE TWO PIECE TELESCOPING COVER SHOULD OVERLAP AT LEAST 6" FOR PROPER INSTALLATION.

TO INSTALL ONE-PIECE DRIVE SHAFT COVER
Center the slots in the covers over the hole in the mounting bracket. Place 1" O.D. flat washer over the slot in the cover, and drive the self tapping slotted hex head screw through the hole in the mounting bracket. Tighten the metal screw down to the flat washer and metal cover. DO NOT over tighten and strip out the hole in the mounting bracket. See Fig. 5.

FIG. 5

DO NOT OPERATE AUGER WITHOUT ALL DRIVE SHAFT COVERS IN PLACE.