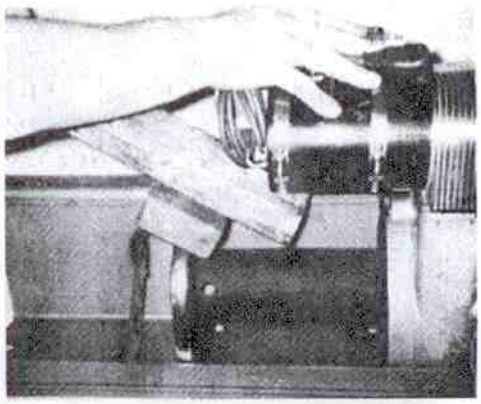
WARN WINCH
MODEL 8274/8074

INSTRUCTIONS FOR REPLACING THE DRUM SHAFT SEAL

NOTE: On most installations it is not necessary to remove the winch from the vehicle.

Disconnect the battery cable, first at the battery, then at the solenoid pack. Remove the three socket head screws holding the top housing to the bottom housing of the winch. Remove the upper housing as shown in the figure at the right. Use a suction gun to remove the oil from the lower housing. Remove the drum support bracket. Remove the lower housing mounting bolt, loosen the top one and rotate the unit to lay down as shown in the next figure.

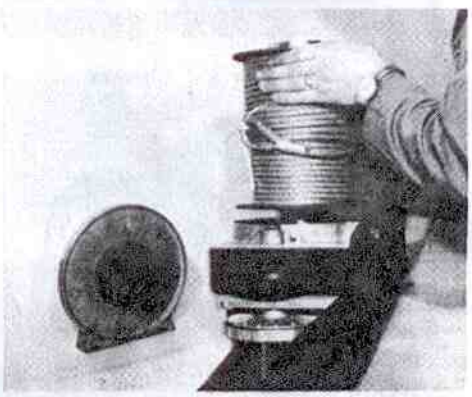


Pull the lock plate outward until it releases the drum shaft as shown at right.



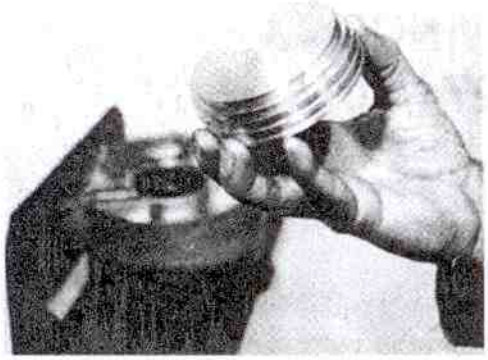
Lift the drum assembly from the case, as shown. Clean the lower housing and drum shaft as necessary. Remove the silicone sealant from the mating surfaces of the upper and lower housings.

The drum shaft bushing in the lower housing must be seated to the correct depth in order for the seal ring to seal effectively. The dimension from the machined surface of the case to the bushing should be .190 inches (4.8mm). If this dimension is not correct the bushing must be relocated, obtain a Warn Winch special tool 9167 and proceed as follows:

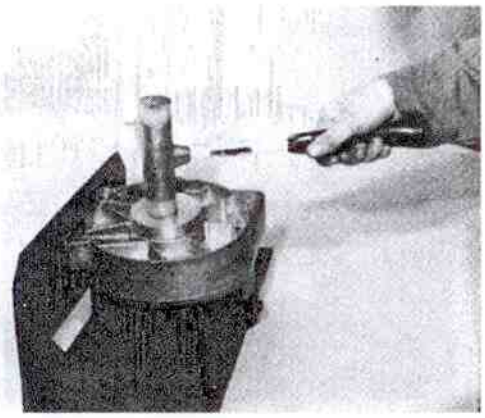


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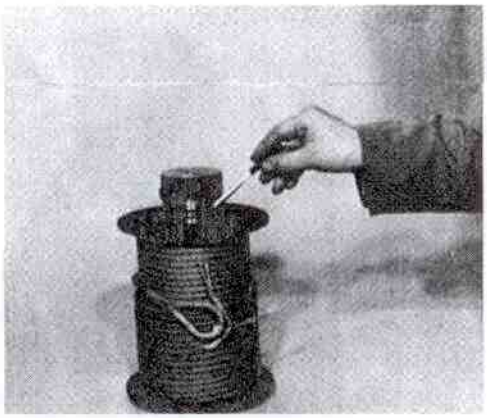
P/N 9272 REV D0



This special tool locates the bushing correctly without damage.



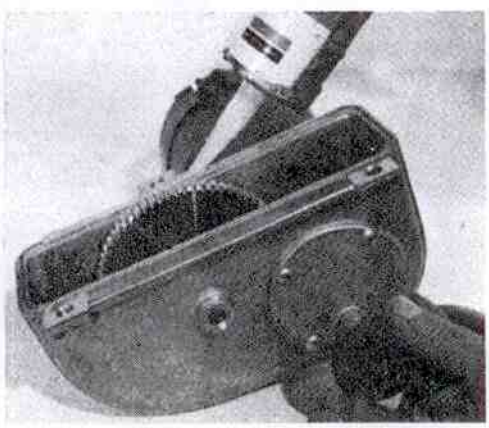
Locate the special tool over the bushing as shown in the figure at the left. Tap lightly with a hammer until the tool seats against the case.



Place the thrust washer on the drum shaft with the flat side down as shown at left. The step side must face the seal. If the thrust washer is flat on both sides, it must be replaced. Place a new seal on the shaft and lightly grease the shaft, seal, thrust washer and bushing. Too much grease will create a hydraulic action that will roll the seal lips back during installation and result in leakage.

Slide the drum shaft into the lower housing. Use care not to cut or roll the seal ring.

Slide the lock plate down to engage the groove in the drum. Turn the winch upright and replace the drum support bracket and all mounting bolts. Put in 6 ounces (0.2 liters) of SAE 30 motor oil into the lower housing.



Apply silicone sealant in the groove of the upper housing as shown in the figure at the left, and install it on the lower housing. Install and torque the socket head screws to 11 ft. lbs. (1.52 KG-M). Re-install the battery cable into the solenoid pack-then to the battery terminal.