



INSTRUCTION BULLETIN

No. 3140
Machine: 42
Published: 12-88

Installation Instructions for Speed Reducer Gear Box Kit 12981.

Because high speed scrubber side brush gear box 29535 is no longer available, it has been replaced with gear box 06662. Please follow the step-by-step directions.

PROCEDURE:

1. Park the machine on a level surface. Turn off the engine/motor and set the parking brake, if the machine is so equipped.

WARNING: Always park on a level surface, turn off the engine/motor, and set the parking brake before working on the machine.

2. Remove the scrub brush.
3. Remove the (4) retaining bolts holding the gear box to the side brush arm. Install the new gear box using the existing hardware. See Fig. 1. Reinstall the scrub brush.
4. Fill the gear box with 1-2 ounces (up to the breather hole of gear tube) with SAE 90.
5. Adjust tension on drive belt to a $0.75" \pm 0.63"$ (10.1 ± 1.6 mm) deflection from a 6 lb (2.72 kg) force applied 9 inches (228.6 mm) from motor shaft. Reinstall the drive belt.
 - a. Place side brush in the "down" position.
 - b. Remove hopper.
 - c. Stop engine and swing bumper out of the way.

WARNING: Do not attempt to adjust belt tension with the engine running.

- d. Loosen locknut "A". See Fig. 2.
- e. To adjust tension, turn the adjusting screw "B" counter clockwise to tighten belt, clockwise to loosen it. See Fig. 2.
- f. When proper adjustment is attained, tighten locknut "A".

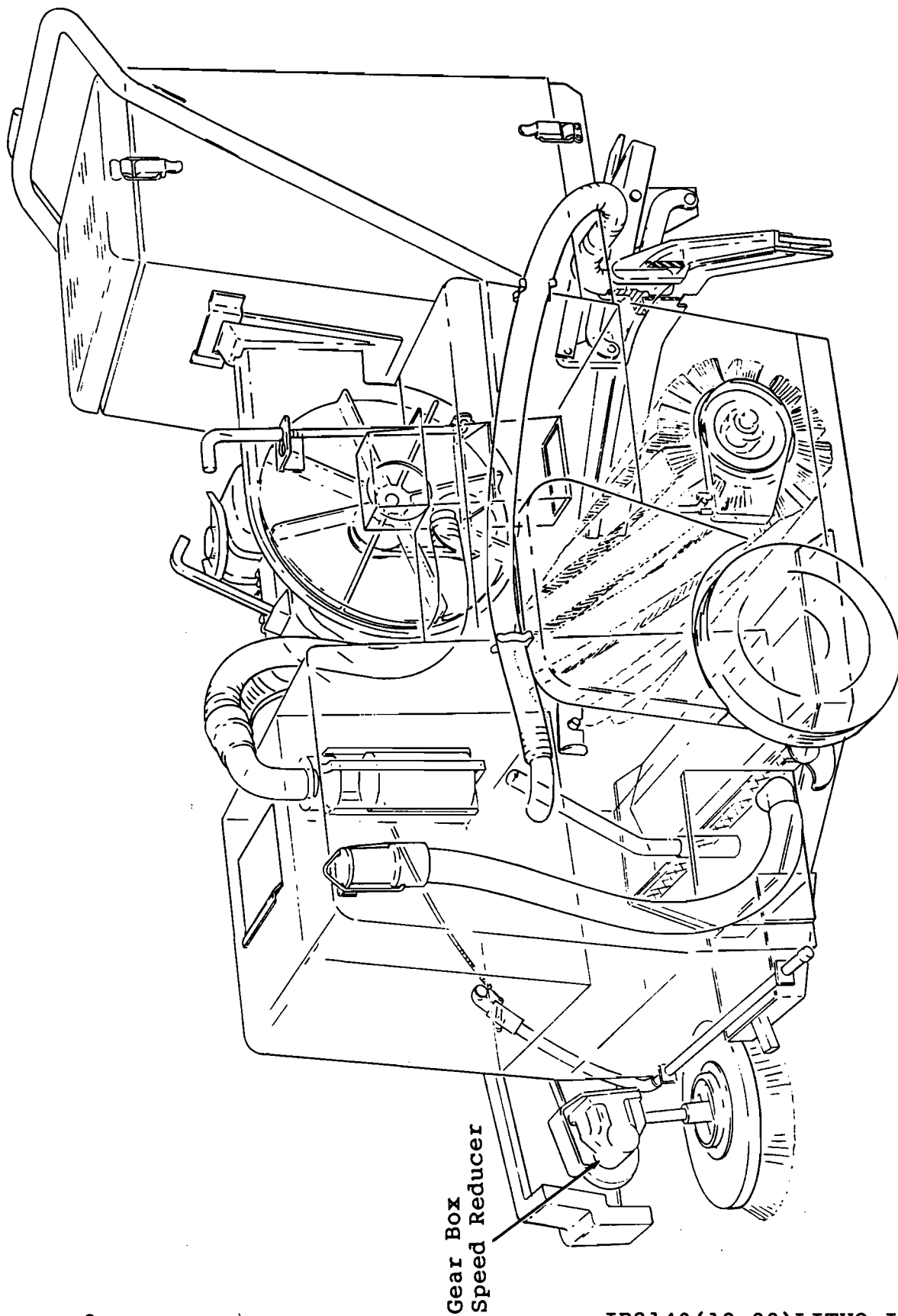


Fig. 1 - PHANTOM VIEW OF 42 HD SCRUBBER SHOWING GEAR BOX LOCATION

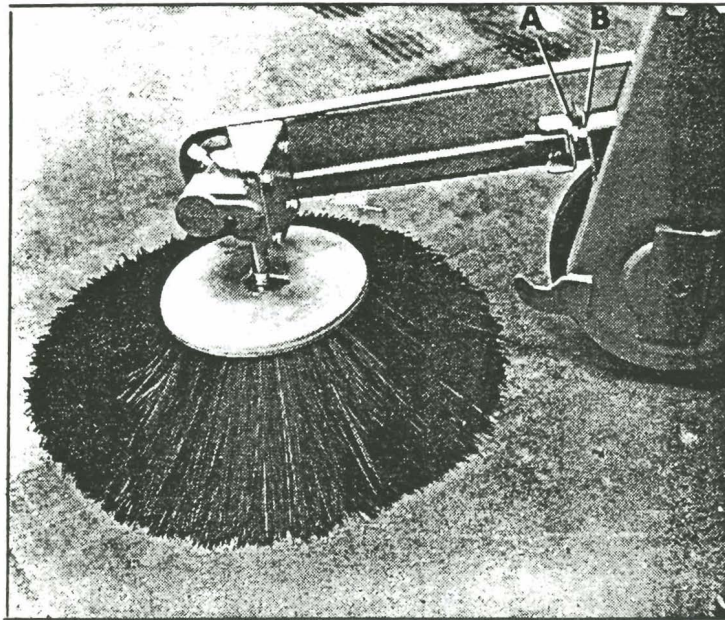


Fig. 2 - LOCATION OF BELT TENSION ADJUSTING SCREW

BILL OF MATERIAL FOR KIT 12981

TENNANT Part No.	Description	Qty.
06662	GEAR BOX, Speed Reducer	1

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452
(612)540-1200