




CENTER BELT DRIVE CHUTE CONVERSION

SAFETY PROCEDURES

CAUTION

Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching spreader, including wearing proper personal protective safety equipment.

Recommended Fastener Torque Chart (Ft.-Lb.)			
Size	 SAE Grade 2	 SAE Grade 5	 SAE Grade 8
1/4-20	6	9	13
5/16-18	11	18	28
3/8-16	19	31	46
3/8-24	24	46	68
7/16-14	30	50	75
1/2-13	45	75	115
9/16-12	66	110	165
5/8-11	93	150	225
3/4-10	150	250	370
7/8-9	150	378	591
1-8	220	583	893
Metric Grade 8.8 (Ft.-Lb.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
M 8	17	M 14	95
M 10	35	M 16	155
These torque values apply to fasteners except those noted in the instruction.			

DISASSEMBLY INSTRUCTIONS

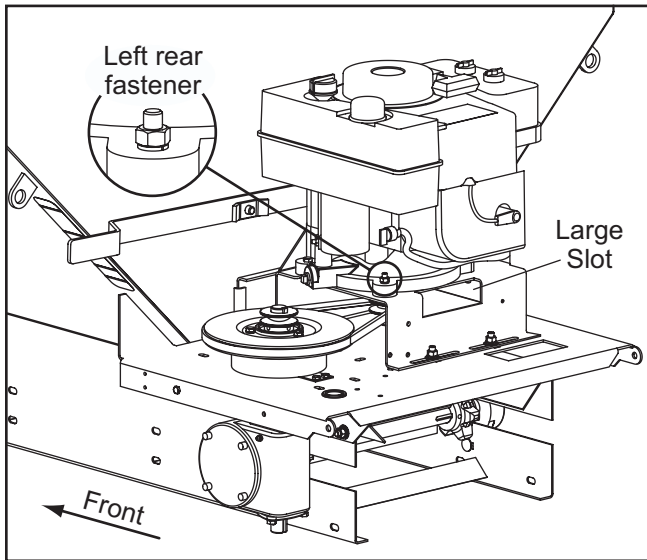
1. Remove the following items and save for reinstallation, unless otherwise noted:
 - CHMSL Light Power Lead
 - Engine Cover
 - Conveyor Guard (Will not be reused; discard.)
 - Direct Drive Chute Assembly (Return using RMA program.)
 - Engine Muffler (Tecumseh only)
 - Both Clamp Loops on Rear of Engine Mount
 - All Engine Electrical Components
 - Electric Throttle Motor Bracket
 - Drive Belt
 - Engine Mount with Engine Attached
 - 1" I.D. Lock Collar from Top of Electric Clutch (Will not be reused; discard.)
 - * Clutch
 - * Stainless Steel Engine Base (Will be replaced; discard.)
2. Locate the supplied template, and place it on the engine base plate.
3. Align the template with the engine mount holes, and secure with tape or magnets.
4. Using a center punch, make four marks in the engine base plate (see * marks on template). Drill four 1/2" holes.
5. Scribe a line between each of the four holes using the outermost edge of each hole as a guide.
6. Cut out the center drive pulley access hole by following the scribe lines.
7. Remove any burrs and repaint engine base plate.

* A new engine base is included with stainless steel kits due to the difficulty of drilling and cutting stainless steel.
Stainless Steel Units: Disregard steps 2–7 in this section.

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ASSEMBLY INSTRUCTIONS

1. Install the supplied V-belt pulley on top of the electric clutch with the groove on top and no gap between the pulley and the clutch. Insert the key and tighten the set screws.
2. Place the new engine mount on the engine base with the large slot toward the rear, and loosely install hardware.



3. Place the engine on the new engine mount, and reinstall fasteners. Install the left rear fastener from the bottom up to allow for proper belt clearance.
4. Position the drive belt over the pulley and clutch pulley. Move the engine mount to tighten the drive belt, and tighten fasteners. Be sure the engine mount is square with the engine base.

5. Attach the clamp loop on the spreader harness closest to the clutch to the *lower hole* in the engine mount, and fasten using a star lock washer and bolt. Attach the remaining clamp loop to the engine base using a self-tapping screw.
6. Fasten the electric throttle motor bracket to the engine mount. Be sure the throttle motor connects to the throttle linkage.
7. Reinstall the electrical connections (throttle motor, choke light switch, starter motor, and ground connections).
8. Position the chute shaft and pulley through the 4" x 4" hole in the engine base. Loop the supplied spinner drive belt around the chute pulley and mount the center drive chute to the spreader rails in the bottom of the slot position. *Verify that there is sufficient clearance between the spinner shaft and the underside of the engine mount.*
9. Route the spinner drive belt around the upper clutch pulley, and use the spinner pulley to align.
10. Adjust the spinner belt tension by moving the spinner shaft bearings in the chute.
11. Reinstall the muffler if previously removed.
12. Fasten the engine cover to the engine base, and reconnect the CHMSL leads.

NOTE: When final adjustments have been completed, make sure there is adequate clearance for the spinner shaft, pulleys, belts and engine when the hood is in the closed position.
