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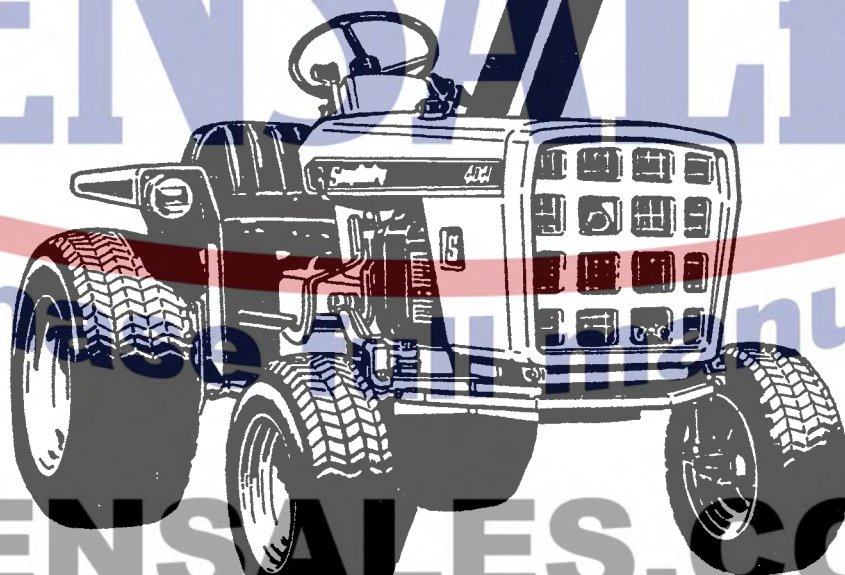
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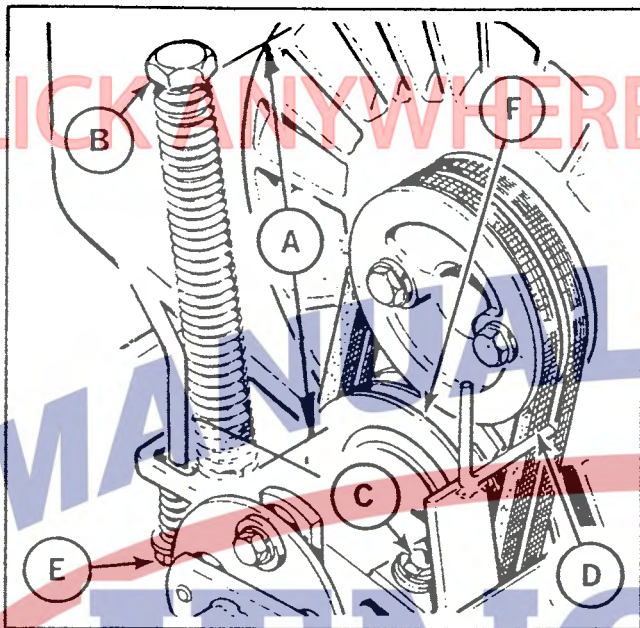


Figure 8. Tractor clutch belts and clutch pedal adjustments.

**SION LEVER ARE IN NEUTRAL BEFORE LEAVING THE TRACTOR SEAT. SET THE PARKING BRAKE AND INSURE ALL CLUTCH SWITCHES ARE IN THE "OFF" POSITION. KEEP YOUR HANDS AND ANY CLOTHING AWAY FROM THE FRONT POWER TAKE OFF PULLEY.**

**SPEED ADJUSTMENT:** The speed at which the engine operates is determined by the tension applied to the governor spring. Increasing spring tension increases engine speed. Decreasing spring tension decreases engine speed. The no-load speed of the engine should be slightly higher than the speed requirements of the connected load. For example, if the connected load is to turn at 2310 rpm, set the no-load speed of the engine at about 2400 rpm. Check speed with a tachometer. If a speed adjustment is needed, turn the speed adjusting nut in to increase the speed or out to decrease the speed (Figure 7).

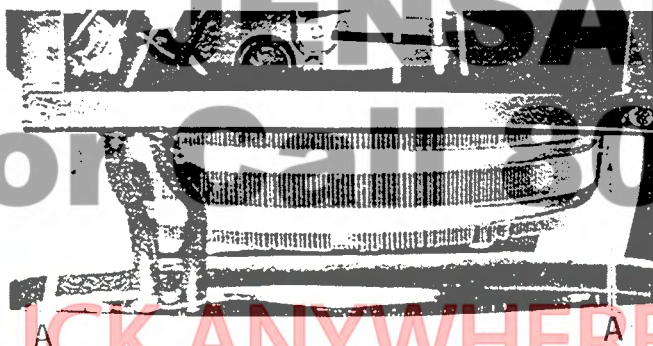


Figure 9 Transmission oil cooler as seen from above the tractor.

## TRACTION CLUTCH BELT TENSION

See figure 8. The clutch (drive belt) tension is determined by the distance from the casting at the base of the clutch tension spring to the top of the spring. This distance (A) shown in figure 8 should be 8 inches. As the belts wear, this distance may increase, causing tension on the belts to decrease and allowing them to slip. To adjust the main drive belt tension, proceed as follows:

1. Raise the tractor hood.
2. See figure 9. Remove the screws (A) at each end of the transmission oil cooler and raise the left end of it to expose the main drive belt tension adjustment.
3. Be sure the clutch is released and has fully returned to the engaged (pedal out) position.
4. See figure 8. Use a ruler or tape graduated in inches to measure the distance (A) from the casting surface to the top of the spring as shown. See Chart for Tolerances.

|                         | Clutch Pedal Position | Before Running Engine (in.) | After Running Engine (in.) |
|-------------------------|-----------------------|-----------------------------|----------------------------|
| Spring Height (A)       | out                   | 7-3/4                       | 8                          |
| Belt Stop Clearance (D) | out                   | 1/4                         | 1/16-1/8                   |
| Pulley Clearance (F)    | in                    | 1/16                        | 1/16                       |

5. If the spring height is greater than specified in the chart, turn the hexagon nut (B) above the spring clockwise until spring height (A) and pulley clearance (F) is as specified. If the height is less, turn hexagon nut counter-clockwise.
6. If clutch belt tension is adjusted or the clutch does not disengage completely when the clutch pedal is depressed, loosen capscrew (C) and adjust the clearance between the belt stop and the belt to that specified in the chart above. Tighten capscrew securely.
7. Replace oil cooler and secure it in place with washers and screws.

## CLUTCH PEDAL FREE TRAVEL

Clutch pedal free travel is the distance which the clutch pedal can be easily pushed downward with finger pressure. This distance should be 1-1/4 to 2-1/4 inches before running engine or 1 to 2 inches after running as shown in figure 10. Readjust clutch pedal as follows:

1. See figure 11. Remove 10 capscrews (A) holding dust shield (B) to underside of tractor frame.
2. See figure 8. Turn lock nut counter-clockwise to increase amount of free travel or clockwise to decrease free travel. Alternately check amount of free travel and turn lock nut until amount of free travel measures as specified above.
3. Secure dust shield on bottom of tractor with 10 capscrews.

## HYDROSTATIC TRANSMISSION NEUTRAL ADJUSTMENT

If the tractor has a tendency to move forward or rearward when the hydrostatic transmission control lever is in the NEUTRAL position, the Neutral adjustment should be made. All clockwise and counter-clockwise directions given

# ACCESSORIES



Figure 41. Rear wheel weight.

The Simplicity 4041 has been designed to do many different jobs under widely varying operating conditions. To make the tractor most effective you may need to use some accessories such as the ones shown here. Contact your Simplicity dealer if you have need for these or other accessories. The Operating Chart on page 10 will help you decide which accessories you need.

## REAR WHEEL WEIGHTS

See figure 41. The rear wheel weights are useful in giving extra traction and side hill stability to the tractor. One set of weights which includes one weight for each rear wheel weighs approximately 130 pounds. Up to 3 sets of weights may be installed as shown in figure 42, except when installed on the agricultural tires with the valve stem turned out. Then the outer surface shown in figure 41 should be turned toward the rim. Two bolts, washers and capscrews are provided to attach each weight.

## TIRE CHAINS

See figure 42. Tire chains give the tractor added traction, especially on ice or other slippery surfaces. Chains are available for each of the rear tire options available with the Simplicity 4041. Figure 42 shows them installed on the turf tires. **CAUTION: USE TIRE CHAINS WITH CAUTION ON ASPHALT SURFACES.** Install the tire chains as shown in figure 42. The tire pressure should be checked and the tires inflated according to the chart on page 22 before the chains are installed.

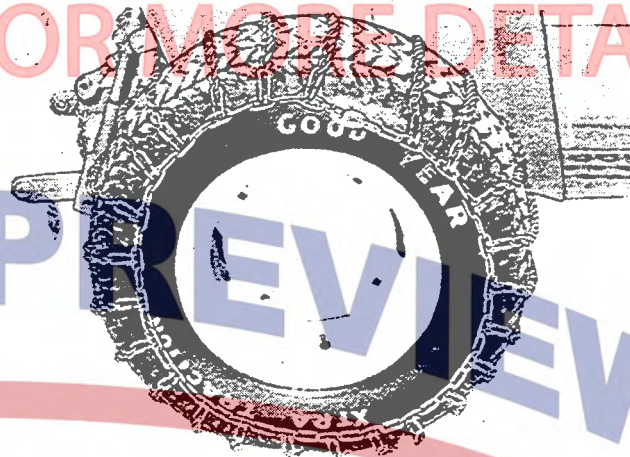


Figure 42. Tire chains.

## HYDRAULIC CYLINDER

See figure 43. The hydraulic cylinder purchased as an accessory includes the hoses and quick-disconnect couplers. The Front Hydraulic Kit (optional - factory or field installed) is required to use the hydraulic cylinder for front mounted attachments. When connecting the hydraulic cylinder to the hydraulic lines, connect them as shown in figure 43 with the hose to the rod end of the cylinder connected at the coupling designated **ROD END (A)**. The hose to the piston end of the cylinder should be connected to the coupling labeled **PISTON END (B)**. When connecting or disconnecting the quick couplers, push back on the locking ring (C). When using the hydraulic cylinders only one cylinder should be used at a time. The cylinder not being used may be left in position, but the hydraulic couplers must be disconnected so only the one cylinder will move when the hydraulic lever is actuated. **NOTE: A HYDRAULIC CYLINDER DISCONNECTED UNDER PRESSURE (WHILE HOLDING AN ATTACHMENT IN THE RAISED**



Figure 43. Hydraulic cylinder.

|                                       |                                                                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Spark Plug                            | Champion H-8 or equivalent                                                                                                    |
| Spark plug gap                        | 0.025 inch                                                                                                                    |
| Lubrication System                    | Gear type oil pump, adjustable pressure relief valve, replaceable oil filter, oil level indicator, oil pressure sending unit. |
| Starting Motor                        | 12 volt electric solenoid shift starter                                                                                       |
| <b>POWER TRAIN</b>                    |                                                                                                                               |
| Clutch                                | Foot pedal operated, double V-belt drive, clutched by varying center distance between pulleys                                 |
| Universal Joints                      | Disc type, self aligning, no moving parts                                                                                     |
| Hydrostatic Transmission              | Sundstrand – Variable delivery piston type pump with fixed stroke piston type motor. Replaceable oil filter.                  |
| Gear Transmission                     | 3-Speed Sliding Spur gear, Cast iron transmission case, Rolling contact bearings                                              |
| Differential                          | 8 pinion, spur gear, non-adjustable limited slip. Located in transmission case.                                               |
| Final Drive                           | Individual spur gears rolling contact bearings, cast iron case.                                                               |
| <b>STEERING</b>                       |                                                                                                                               |
| Type                                  | Recirculating ball screw, manual operation.                                                                                   |
| Steering wheel revolutions            | 3.2 stop to stop                                                                                                              |
| Steering wheel diameter               | 14 inch                                                                                                                       |
| <b>SEAT</b>                           |                                                                                                                               |
| Standard Seat                         | Adjustable front to rear - 5 position                                                                                         |
| Optional lever operated seat          | Adjustable from operator position front to rear. Spring mounted, inclined ramp.                                               |
| <b>FRONT POWER TAKE OFF</b>           |                                                                                                                               |
| Clutch                                | 12 Volt electric solenoid actuated                                                                                            |
| Speed                                 | Equal to engine RPM                                                                                                           |
| Drive                                 | A section pulley                                                                                                              |
| <b>REAR POWER TAKE OFF (Optional)</b> |                                                                                                                               |
| Clutch                                | 12 Volt electric solenoid actuated                                                                                            |
| Speed (@ 3600 Engine rpm)             | 2000 rpm (55% of engine rpm)                                                                                                  |

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.