

**NAME:** 40 INCH & 50 INCH ROTARY MOWER **PART NUMBER(S):** 40" - 31217  
50" - 31220

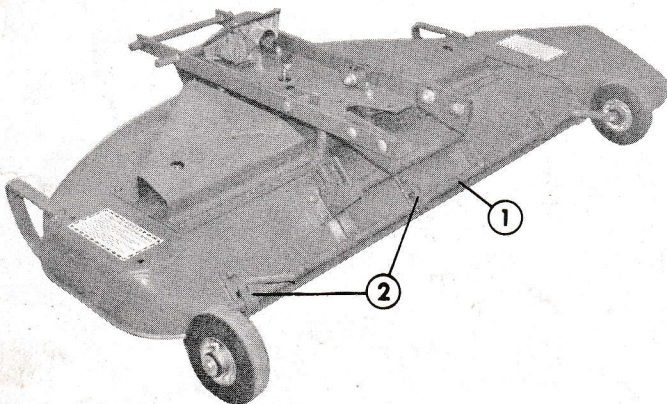
These instructions give the procedure for assembling the 40 inch and 50 inch rotary mower. All reference to right side, left side, front and rear are given from the operator's position. Tighten the bolts used to assemble the mower to the torque given in the Bolt Torque Specifications, unless shown differently.

### BOLT TORQUE SPECIFICATIONS

BOLT SIZE	FOOT POUNDS (ft. lbs.)	NEWTON METERS (N.m)
1/4"	7	9.5
5/16"	14	19
3/8"	25	34
7/16"	40	54
1/2"	60	82
9/16"	83	113
5/8"	120	163
3/4"	200	271

## 1.0 HOW TO ASSEMBLE THE MOWER

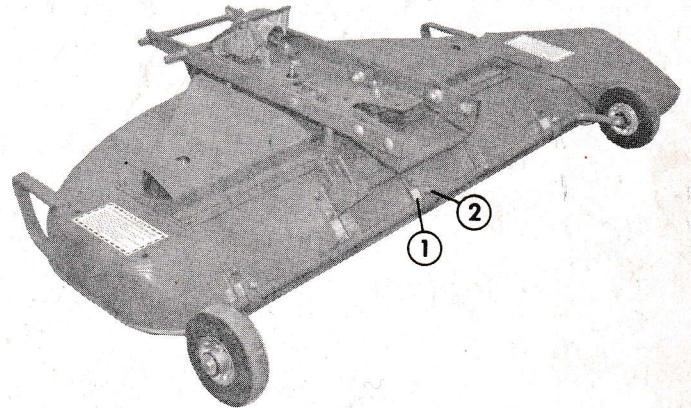
1. Put the axle pivot in position in the axle support brackets as shown in figure 1.0-1.



1 - Axle Pivot  
2 - Axle Support Bracket

Figure 1.0-1

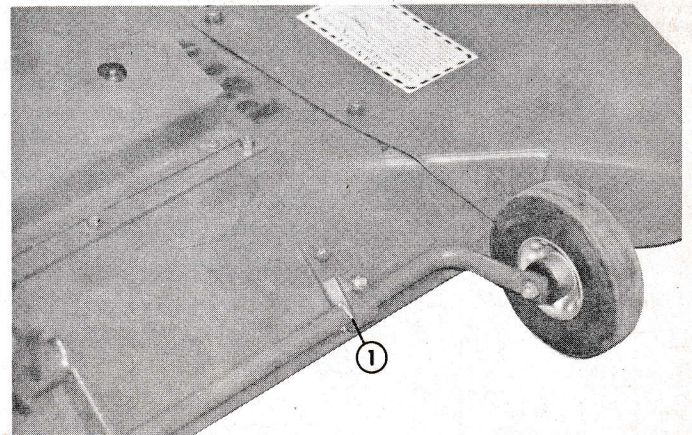
2. Put a nylon stop in each axle support bracket with the curved end against the axle pivot. Fasten the nylon stops in position with the 3/8" x 2" square neck bolts and 3/8" lock nuts as shown in figure 1.0-2.



1 - Nylon Stop  
2 - Square Neck Bolt and Lock Nut

Figure 1.0-2

3. Install a cotter pin in the axle pivot as shown in figure 1.0-3. Make sure the cotter pin does not stop the movement of the axle pivot.

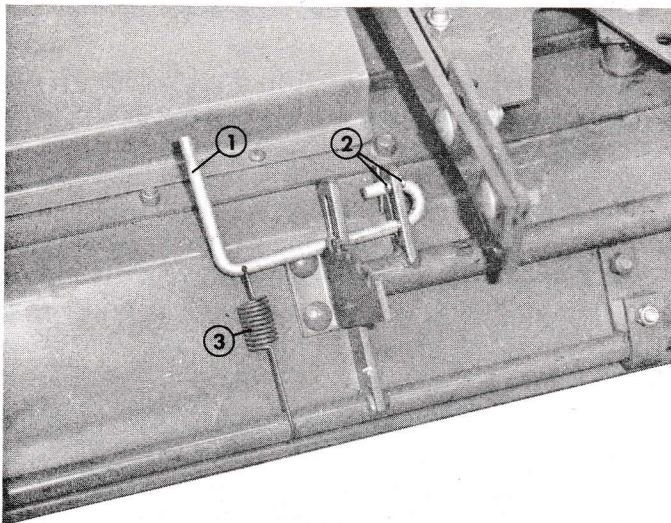


1 - Cotter Pin

Figure 1.0-3

To continue its program of quality and design improvement, the manufacturer reserves the right to change specifications, designs and prices without notice and incurring obligation.

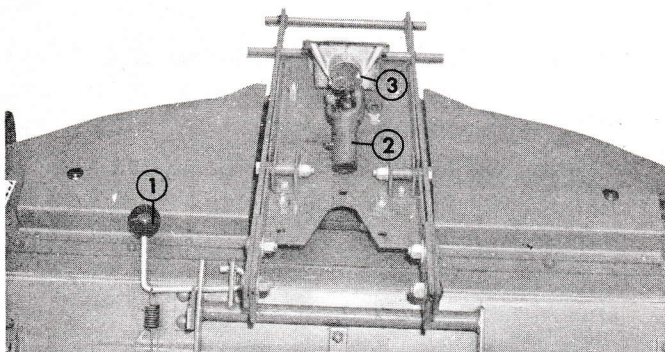
- Put the height adjustment lever in the slots of the axle pivot and install two cotter pins as shown in figure 1.0-4.



- 1 - Height Adjustment Lever
- 2 - Cotter Pins
- 3 - Spring

Figure 1.0-4

- Install the spring as shown in figure 1.0-4.
- Install the adjustment control knob on the height adjustment lever as shown in figure 1.0-5.



- 1 - Adjustment Control Knob
- 2 - Universal Joint
- 3 - Bolt

Figure 1.0-5

- Put the section of the universal joint that has the tube on the splined shaft of the mower. Fasten the universal joint in position with the 1/4" x 2" bolt and lock nut as shown in figure 1.0-5.

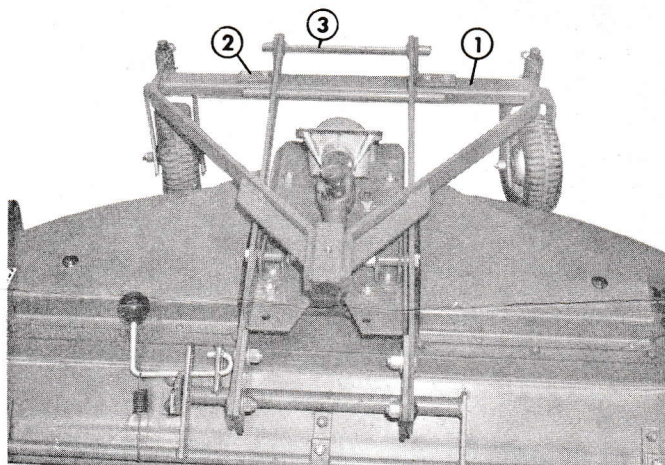
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**NOTE:** If the mower is to be used with an 8000 Series Commercial Tractor that has the long frame, use the first hole from the end of the splined shaft to fasten the universal joint to the shaft. All other tractors, use the second hole from the end.

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## 2.0 HOW TO CONNECT THE FRONT MOUNT KIT TO THE MOWER DECK

- Remove a pivot arm support from the front mount frame.
- Put the front mount frame in position over the mower deck as shown in figure 2.0-1.



- 1 - Front Mount Frame
- 2 - Pivot Arm Support
- 3 - Pivot Arm

Figure 2.0-1

- Put the pivot arm in the pivot arm support. Install the pivot arm support that was removed in step 1. See figure 2.0-1.

4. Make a mark 5-1/2" (14 cm) from the end of the square shaft section of the universal joint. Use a saw to cut through the shaft at the mark. See figure 2.0-2.

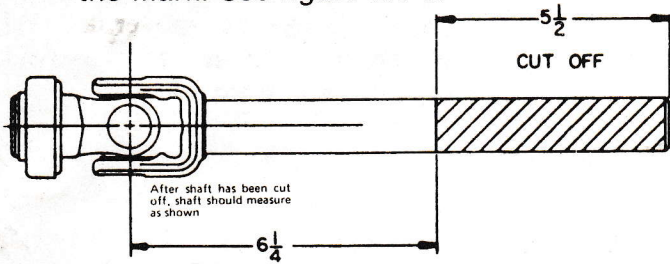


Figure 2.0-2

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**NOTE: The 5-1/2" (14 cm) is to be removed from the shaft only when used with the front mount kit.**

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