

# Spindle Kit For Z Master<sup>®</sup> Mowers with 72in Cutting Unit Model No. 112-5024

## Installation Instructions

**Note:** Determine the left and right sides of the machine from the normal operating position.

# Installation

# **Loose Parts**

Use the chart below to verify that all parts have been shipped.

Step	Description	Qty.	Use
1	No parts required	_	Prepare the mower.
2	No parts required	-	Remove the existing spindle.
	Spindle assembly	1	
	Bolt, (3/8 x 3/4 inch)	3	
3	Blade bolt, (5/8 x 2–1/4 inches)	1	Install the new spindle.
	Small curved washer	3	
	Large curved washer (blade bolt)	1	
4	Template	1	Modify the belt covers.



# **Preparing the Mower**

# **No Parts Required**

# Procedure

- 1. Thoroughly clean mower deck. All debris must be removed to ensure spindle will fit properly against mower deck.
- 2. Repair all bent or damaged areas of mower deck and replace any missing parts.



# Removing the Existing Spindle

# **No Parts Required**

## Procedure

- 1. Remove the belt covers from the mower deck.
- 2. Remove the mower belt from the pulleys on the mower deck.
- 3. Remove the three bolts holding the deck pulley to the aluminum hub. Save the deck pulley and discard the bolts (Figure 1).
- 4. Raise the front of the machine and support it with a Z Stand® and jack stands.

- 5. Remove the blade from the spindle. Save the blade.
- 6. Remove the bolts holding the spindle to the mower deck. Save the nuts and bolts (Figure 1).





# **Installing the New Spindle**

## Parts needed for this step:

1	Spindle assembly
3	Bolt, (3/8 x 3/4 inch)
1	Blade bolt, (5/8 x 2–1/4 inches)
3	Small curved washer
1	Large curved washer (blade bolt)

#### Procedure

1. Install the spindle assembly under the mower deck with the previously removed bolts (Figure 2).



 Align the three holes in the deck pulley with the three holes in the spindle hub and install 3 bolts (3/8 x 3/4 inch) and 3 small curved washers (Figure 3).



3. Install the blade to the spindle with a blade bolt (5/8 x 2–1/4 inches) and large curved washer (Figure 4).



- 1. Blade bolt (5/8 x 2–1/4 3. Blade inches)
- 2. Large curved washer 4. Spindle assembly



#### Parts needed for this step:

1 Template

#### Procedure

- 1. Cut out the template in the back of these installation instructions. The template will be used to locate a hole that needs to be drilled.
- 2. On the bottom of the belt cover, align the template onto the belt cover as shown in Figure 5.
- 3. Center punch and drill an 3/8 inch pilot hole into the belt cover at the correct location.
- 4. Drill an 1–1/8 inch hole into the belt cover at the correct location.
- 5. Repeat the previous steps for the second belt cover (Figure 5 ).
- 6. Install the belt covers and lower the machine onto the ground.



 Align holes in template 3. Belt cover upside down with holes in belt cover
Drill 1–1/8 inch hole here





Count on it.