



# Replacement Idler Kit

## ProCore Processor

Model No. 110-2726

### Installation Instructions

## Loose Parts

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

Procedure	Description	Qty.	Use
<b>1</b>	No parts required	–	Remove existing idler pulley assembly
<b>2</b>	Idler arm Carriage screw, (1/2 x 4–1/2 inch)	1 1	Assemble the pulley to the idler arm
<b>3</b>	No parts required	–	Mount the idler pivot
<b>4</b>	Eye bolt Hex nut (3/8 inch) Washer Flange nut (3/8 inch)	1 1 2 1	Mount the spring eye bolt
<b>5</b>	Thrust washer Retaining ring Extension spring	1 1 1	Mount the idler pulley assembly

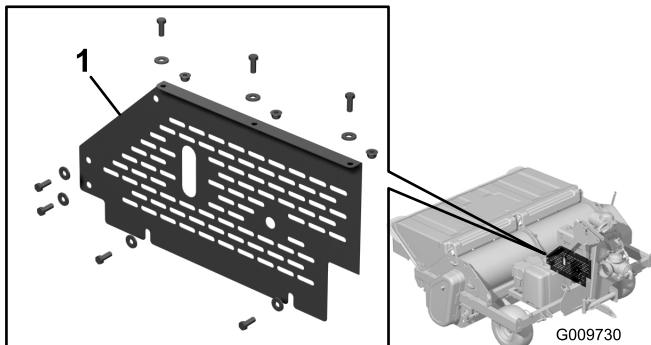
# 1

## Remove Existing Idler Pulley Assembly

### No Parts Required

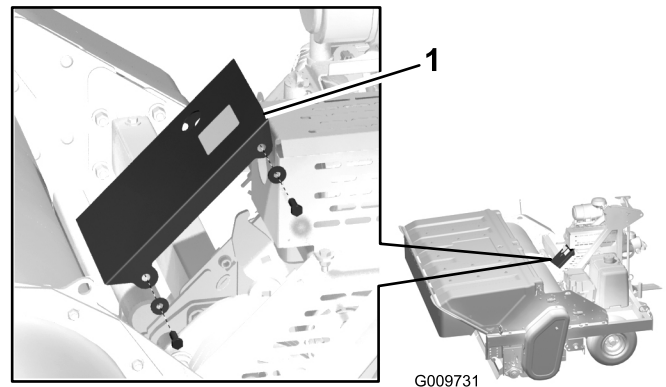
#### Procedure

1. Remove the engine clutch to jack shaft belt cover (Figure 1).



**Figure 1**

1. Engine clutch to jack shaft belt cover

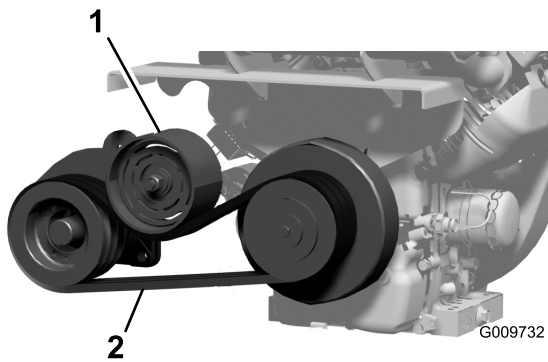


**Figure 2**

1. Idler pulley belt cover

3. Loosen the nut on the idler pulley (Figure 3).

2. Remove the idler pulley cover (Figure 2).



**Figure 3**

1. Idler pulley
2. Engine clutch to jack shaft belt

4. Remove the nut, washer and carriage screw securing the pulley and standoff to the frame. Remove the pulley assembly. Retain the pulley, washer and nut but discard the carriage screw.

## 2

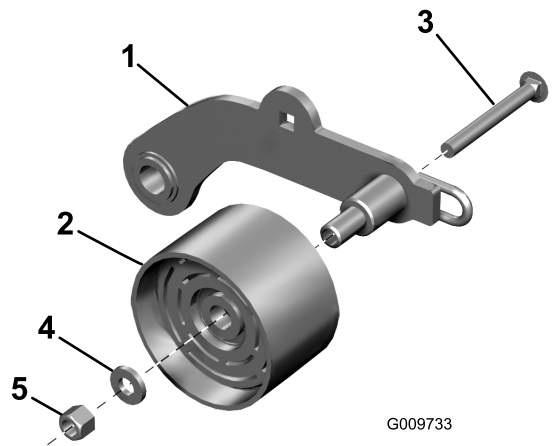
### Assemble the Pulley to the Idler Arm

#### Parts needed for this procedure:

1	Idler arm
1	Carriage screw, (1/2 x 4-1/2 inch)

#### Procedure

1. Slide the pulley onto the idler arm shaft (Figure 4).



**Figure 4**

1. Idler arm
2. Pulley
3. Carriage screw
4. Washer
5. Nut

2. Mount the pulley to the idler arm with the new 4-1/2 inch carriage screw and the previously removed washer and nut (Figure 4).

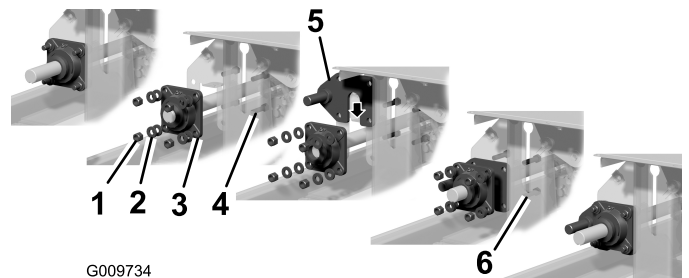
## 3

### Mount the Idler Pivot

#### No Parts Required

#### Procedure

1. Remove the (4) screws, (8) washers and (4) nuts securing the jack shaft bearing to the frame (Figure 5). Discard the screws but retain the washers and nuts.



**Figure 5**

1. Nut
2. Washer
3. Jack shaft bearing
4. Idler pivot
5. Jack shaft
6. New carriage screws

2. Slide the bearing away from the frame approximately 1/2 inch.
3. Slide the idler pivot between the bearing and frame and onto the jack shaft (Figure 5).

- Align the idler pivot mounting holes with the holes in the frame and bearing (Figure 5).
- Secure the idler pivot to the frame and bearing with (4) new 2-1/4 inch carriage screws and the previously removed washers and nuts (Figure 5).

# 4

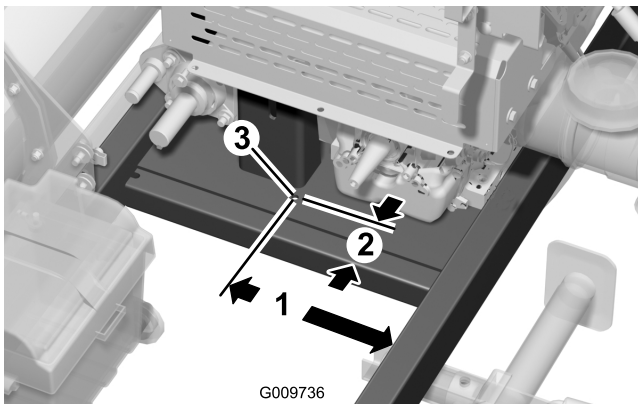
## Mount the Spring Eye Bolt

### Parts needed for this procedure:

1	Eye bolt
1	Hex nut (3/8 inch)
2	Washer
1	Flange nut (3/8 inch)

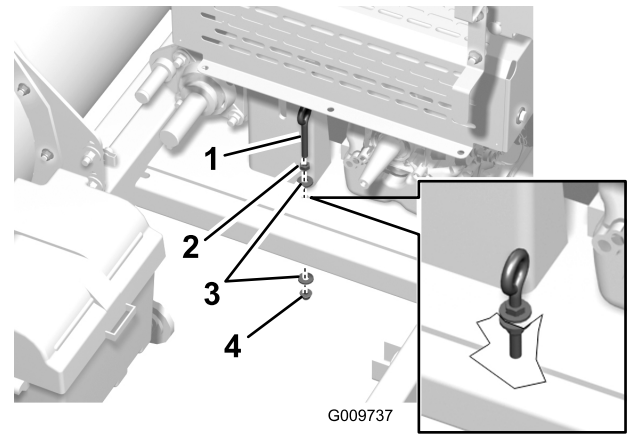
### Procedure

- Using the dimensions in Figure 6, locate, mark and drill a 7/16 inch diameter hole in the engine plate.



**Figure 6**

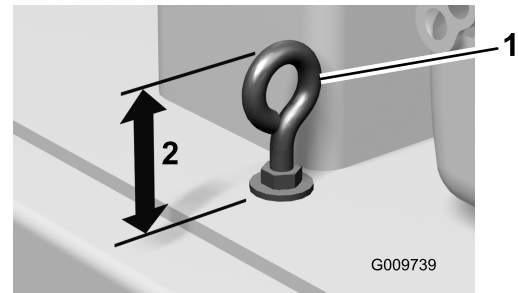
- 10.075 inches
- 1.750 inches
- 7/16 inch diameter hole



**Figure 7**

- Eye bolt
- Hex nut
- Washer
- Flange nut

- Insert a washer onto the eye bolt (Figure 7).
- Insert the eye bolt into the drilled hole in the engine plate and loosely mount it with another washer and a flange nut (Figure 7).
- Adjust the hex nut until height from the engine plate to the top of the eye bolt is 2.440 inches and then tighten the flange nut (Figure 8).



**Figure 8**

- Eye bolt
- 2.440 inches

- Thread the hex nut onto the eye bolt (Figure 7).

# 5

## Mount the Idler Pulley/Idler Arm Assembly

### Parts needed for this procedure:

1	Thrust washer
1	Retaining ring
1	Extension spring

### Procedure

1. Insert the idler arm onto the idler pivot shaft and secure with a thrust washer and retaining ring (Figure 9).

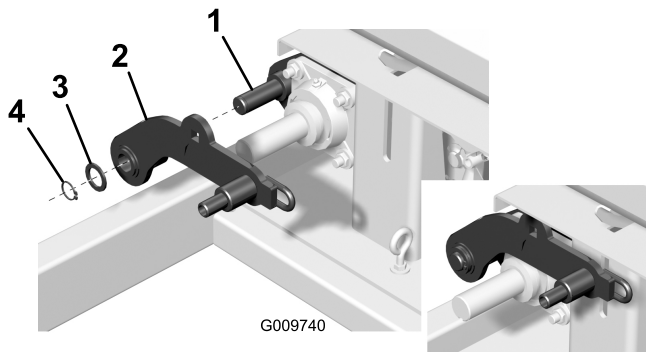


Figure 9

1. Idler arm
2. Idler pivot shaft
3. Thrust washer
4. Retaining ring

2. Hook the extension spring onto the eye bolt and onto the loop end of the idler arm (Figure 10).

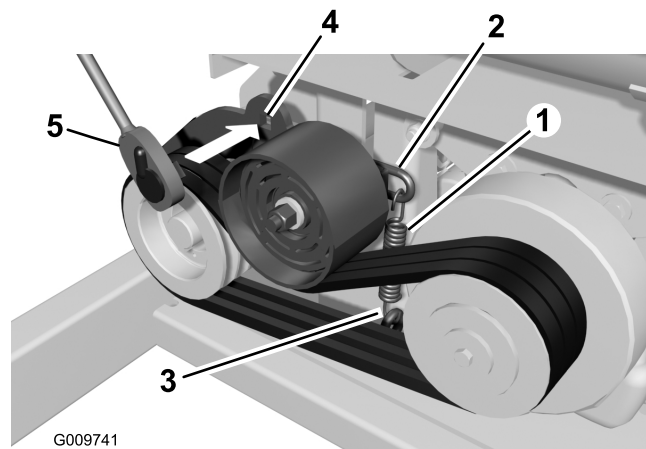


Figure 10

1. Extension spring
2. Loop on end of idler arm
3. Eye bolt
4. Square hole
5. Socket wrench

**Note:** To release the belt tension, insert a socket wrench into the square hole in the idler arm and rotate the wrench upward (Figure 10).

3. Check the operation and install the belt covers.

**Important:** To assure proper machine operation and increased belt life, check the belt and tension frequently. If the idler arm extension spring stretches to more than 3.75 inches, replace the spring. Measure the spring from inside loop to inside loop as shown in Figure 11.

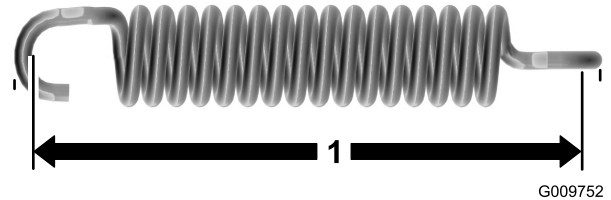


Figure 11

1. 3.75 inches