

## TRACK ROLLER AND IDLER LUBRICATION

### Procedure

The track rollers and idlers require no maintenance. The bearings are a sealed design.

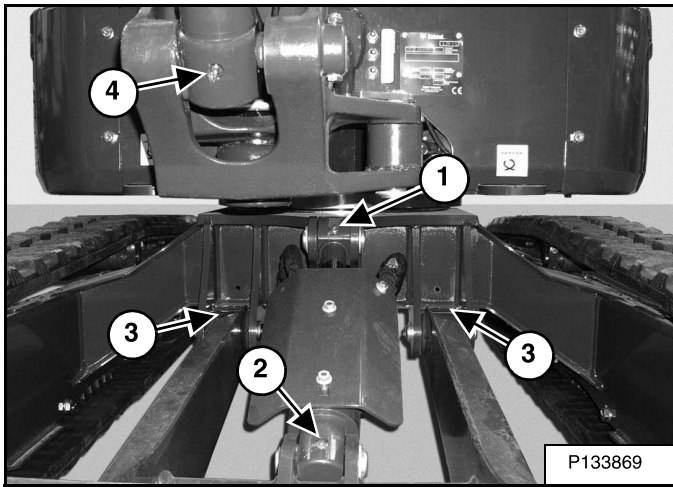
### Lubrication Locations

Lubricate the excavator as specified in the service schedule for the best performance of the machine. (See SERVICE SCHEDULE on Page 108.)

Always use a good quality, lithium-based multipurpose grease when lubricating the machine. Apply the lubricant until extra grease shows.

Lubricate the following locations on the excavator **EVERY 8 – 10 HOURS**:

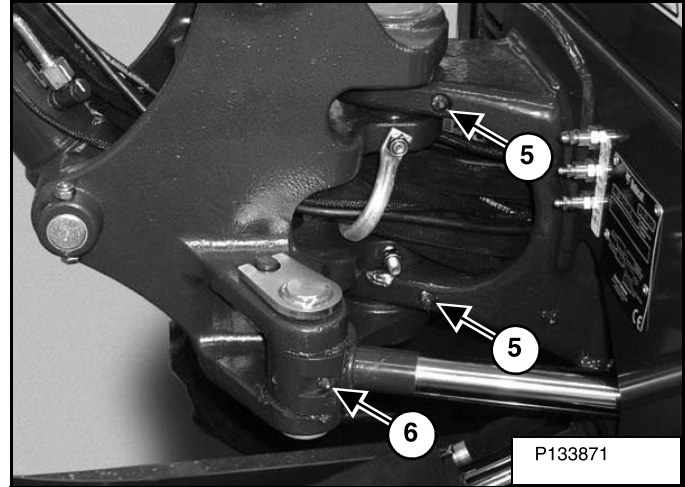
**Figure 240**



### Ref Description (# of Fittings)

1. Blade Cylinder Rod End (1) [Figure 240].
2. Blade Cylinder Base End (1) [Figure 240].
3. Blade Pivots (2) [Figure 240].
4. Boom Cylinder Base End (1) [Figure 240].

**Figure 241**



5. Boom Swing Pivot (3) [Figure 241].
6. Boom Swing Cylinder Rod End (1) [Figure 241].

**Figure 242**

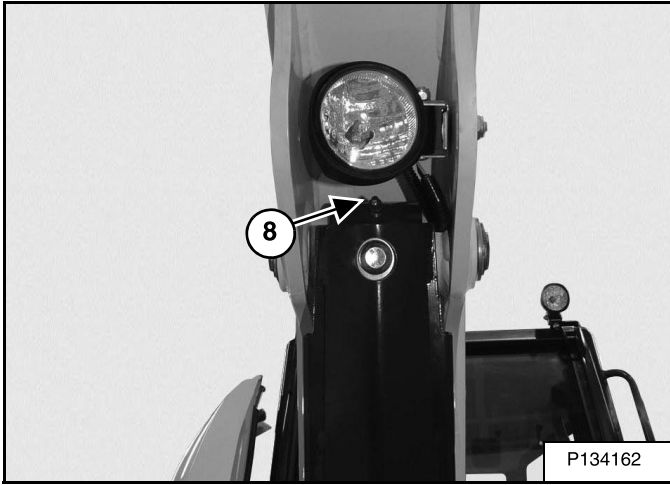


7. Boom Pivot (1) [Figure 242].

# LUBRICATING THE EXCAVATOR (CONT'D)

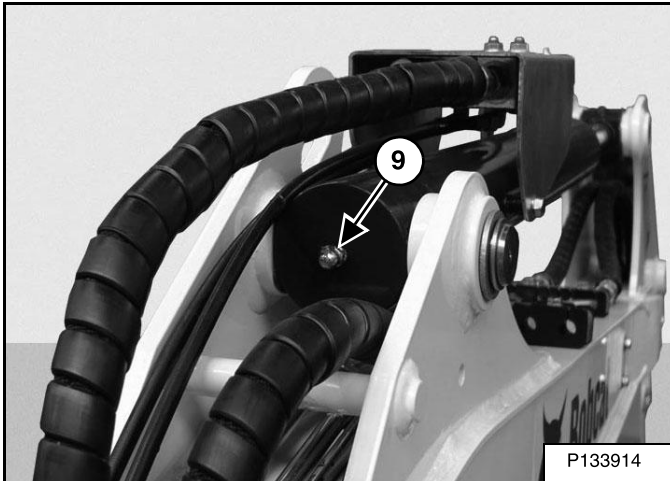
## Lubrication Locations (Cont'd)

Figure 243



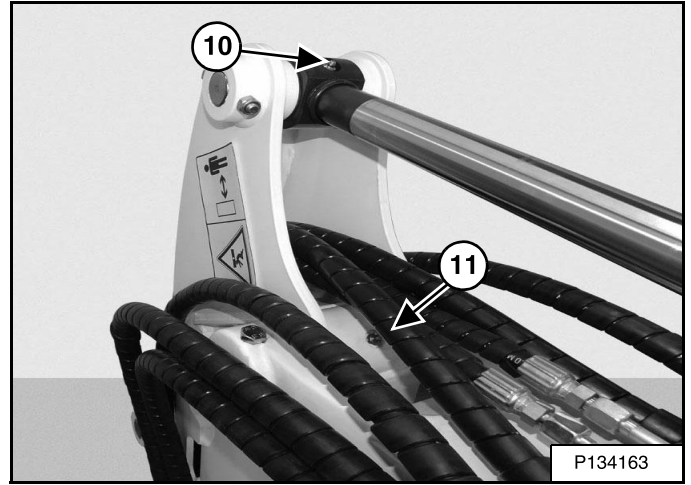
8. Boom Cylinder Rod End (1) [Figure 243].

Figure 244



9. Arm Cylinder Base End (1) [Figure 244].

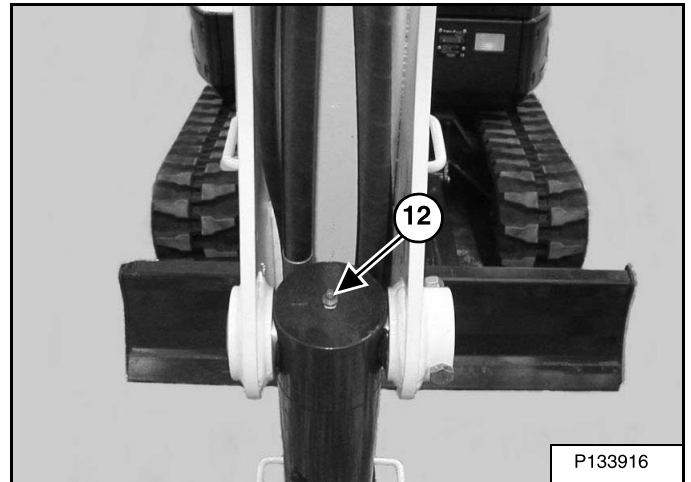
Figure 245



10. Arm Cylinder Rod End (1) [Figure 245].

11. Arm Pivot (1) [Figure 245].

Figure 246

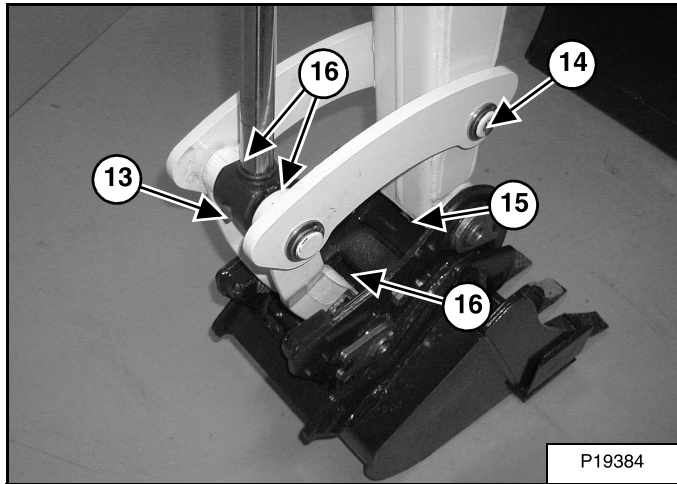


12. Bucket Cylinder Base End (1) [Figure 246].

## LUBRICATING THE EXCAVATOR (CONT'D)

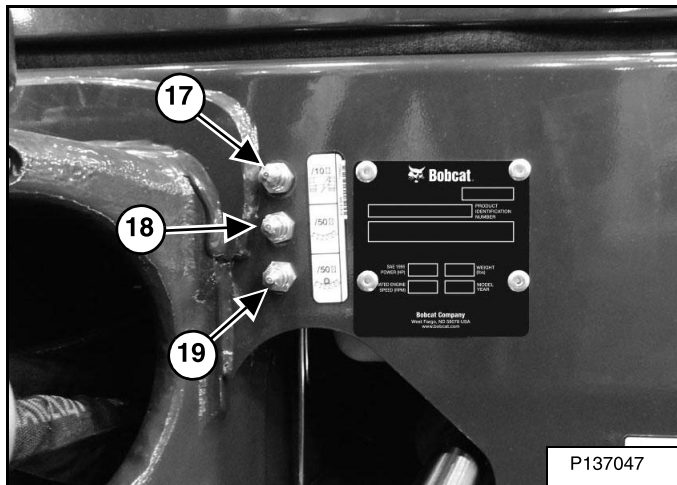
### Lubrication Locations (Cont'd)

Figure 247



- 13. Bucket Cylinder Rod End (1) [Figure 247].
- 14. Bucket Link Pin (1) [Figure 247].
- 15. Bucket Pivot (1) [Figure 247].
- 16. Bucket Link (3) [Figure 247].

Figure 248



- 17. Boom Swing Cylinder Base (1) [Figure 248].

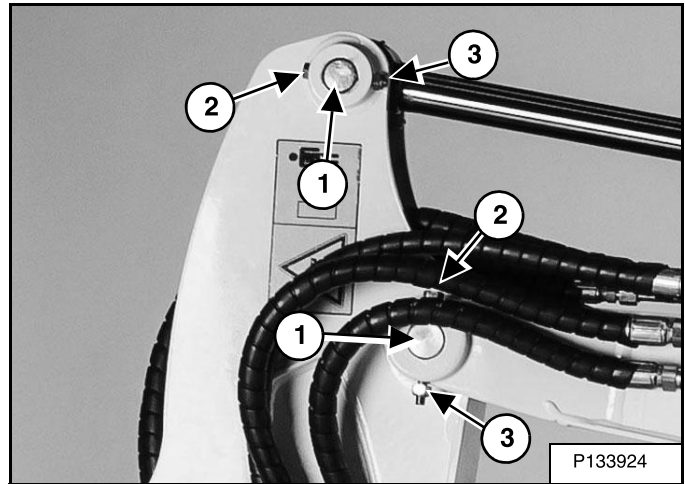
Lubricate the following locations on the hydraulic excavator **EVERY 50 HOURS**:

- 18. Slew Circle (1) [Figure 248].
- 19. Slew Pinion (1) [Figure 248]. (Install three to four pumps of grease then rotate the upperstructure 90°. Install three to four pumps of grease and again rotate the upperstructure 90°. Repeat this until the slew pinion has been greased at four positions.)

## PIVOT PINS

### Inspection And Maintenance

Figure 249



The pivots and cylinders (Item 1) have a large pin held in position with a bolt (Item 2) and a nut (Item 3) [Figure 249] securing the pin.

**Installation:** After the nut (Item 3) and bolt (Item 2) [Figure 249] are tightened together, the bolt should be free to spin.