An Oshkosh Corporation Company

Service and Maintenance Manual

Model

1500AJP

PVC 2001

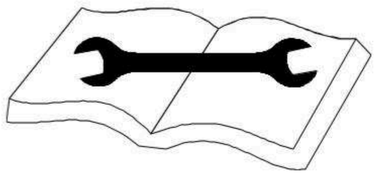
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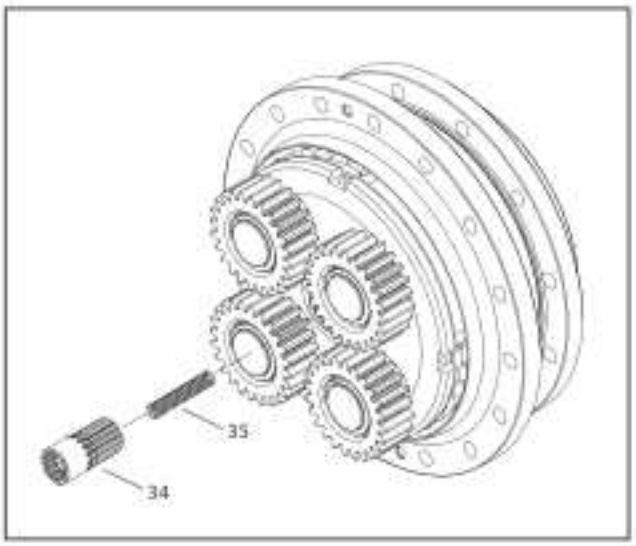
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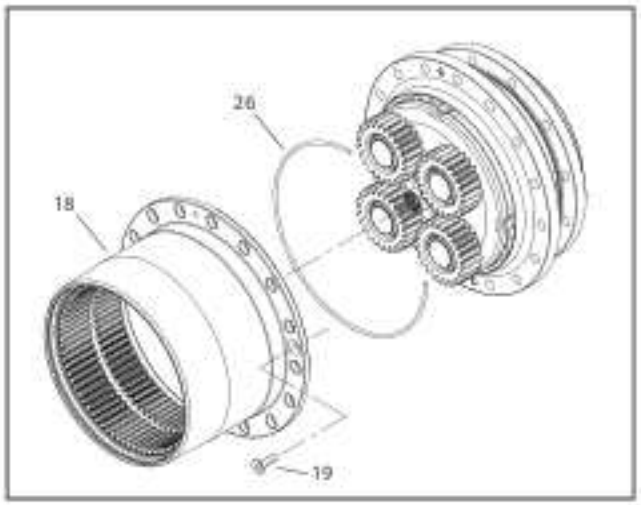
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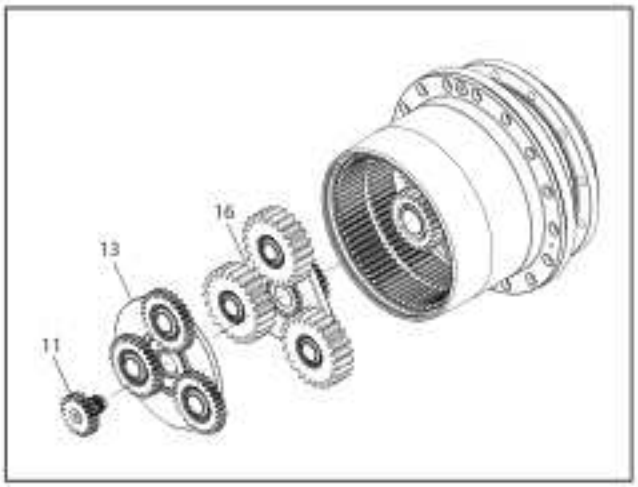
9. Install Spring (35) and Coupling (34).



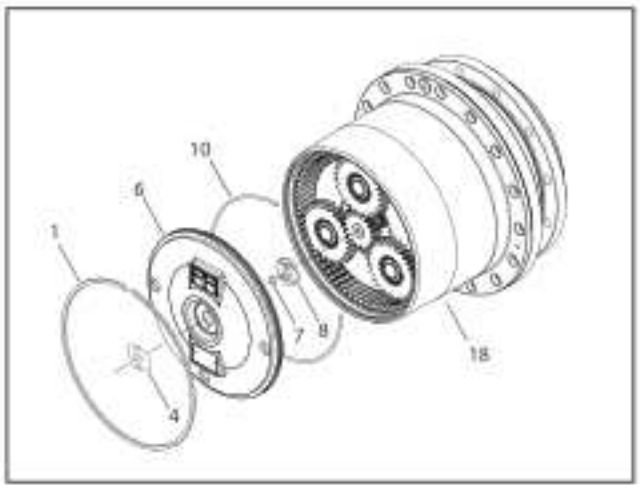
10. Install O-Ring (26). Install Planetary Ring (18) with two Screws (19). Torque Screws to 36.8 ft-lb (50 Nm).



11. Install Gear Reduction Assembly (16), Gear Reduction Assembly (13), and Pinion (11) in Planetary Housing. Lubricate all bearings.



12. Install O-Ring (7) and O-Ring (10) in Cover (6). Liberally coat Spacer (8) with grease and center on hole at center of Cover. Install Cover on Planetary Ring Assembly (18) and secure with Ring (1). Replace Gasket (4) as needed.



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Specifications

Table 4-3. Specifications with SkyGlazier™ Installed

Total Platform Capacity* - 272kg/600lbs capacity zone w/tray installed (ANSI Spec) - 270kg/600lbs capacity zone w/tray installed (CE Spec)	181kg/ 400 lb
Total Platform Capacity* - 454kg/1000 lbs capacity zone w/tray installed (ANSI Spec)- 450kg/1000 lbs capacity zone w/tray installed (CE Spec)	340kg/ 750 lb
Platform Size	0.914m x 2.43m/ 36in. x 96in.
Required Platform Type	Side Entry
Max. Tray Capacity in 270 kg / 600lbs capacity zone (ANSI Spec)- 230kg / 500lbs capacity zone (CE Spec)	68kg/ 150 lb
Max. Tray Capacity in 454kg / 1000 lbs capacity zone (ANSI Spec)- 450kg / 1000 lbs capacity zone (CE Spec)	113kg/ 250 lb
Max. Dimensions of panel	3 m^2 / 32 sq ft

* Total Platform Capacity is defined as platform capacity + tray capacity.

⚠ WARNING

****INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM.**

Safety Precautions

GENERAL

NOTE: *Read and understand the Operation Manual. Ensure load is secured with load strap.*

⚠ WARNING

DO NOT OVERLOAD TRAY OR PLATFORM. TOTAL MACHINE CAPACITY IS REDUCED WHEN TRAY IS INSTALLED.

⚠ WARNING

WITH THE SKYGLAZIER INSTALLED, THE ORIGINAL PLATFORM CAPACITY RATINGS ARE REDUCED AS SPECIFIED IN TABLE 4-3, SPECIFICATIONS WITH SKYGLAZIER™ INSTALLED. DO NOT EXCEED THE NEW PLATFORM CAPACITY RATING. REFER TO CAPACITY DECAL LOCATED ON TRAY.

⚠ DANGER

AN INCREASE OF THE AREA EXPOSED TO THE WIND WILL DECREASE STABILITY. LIMIT PANEL AREA TO 32 SQ.FT. (3 SQ.M)

1. Make sure no personnel are beneath platform.
2. Do not exit platform over rails or stand on rails.
3. Only use this option as specified.
4. Remove tray when not in use.

Preparation and Inspection

1. Check for cracked welds and damage to tray. Make sure tray is properly secured to platform.
2. Check to ensure strap is not torn or frayed.

Operation

Load SkyGlazier™ with panel and secure with strap. Position panel to its desired location.

Service and Maintenance

Replace torn or frayed straps, bent or crushed tray, missing or illegible decals.

Check for loose nuts and bolts and Torque loose nuts and bolts to JLG Torque Chart specifications.

NOTE: *The machine must be recalibrated. Refer to Section 6 for calibration procedure.*

1. Install platform support onto rotator.
2. Insert the bolts with Medium strength Threadlocking Compound and torque to 50-55 lbs-ft.
3. Insert the bolt through the center and torque nut to 480 lbs-ft.
4. Install Glazier base (left & right) and platform onto the platform support.
5. Align base hole pattern with the hole pattern in the platform support.
6. Place platform onto the base and align similarly.
7. Secure with bolts, washers, and nuts with Medium strength Threadlocking Compound. Torque to 85 lbs-ft.
8. Install the control box and foot switch with existing hardware.
9. Mount Glazier tray onto Glazier base.
10. Secure tray with bolts, nuts, and washers. Torque to 260 lbs-ft.
11. Install bumper and strap kit as shown in Figure 4-37., SkyGlazier™.
12. To remove reverse instructions.

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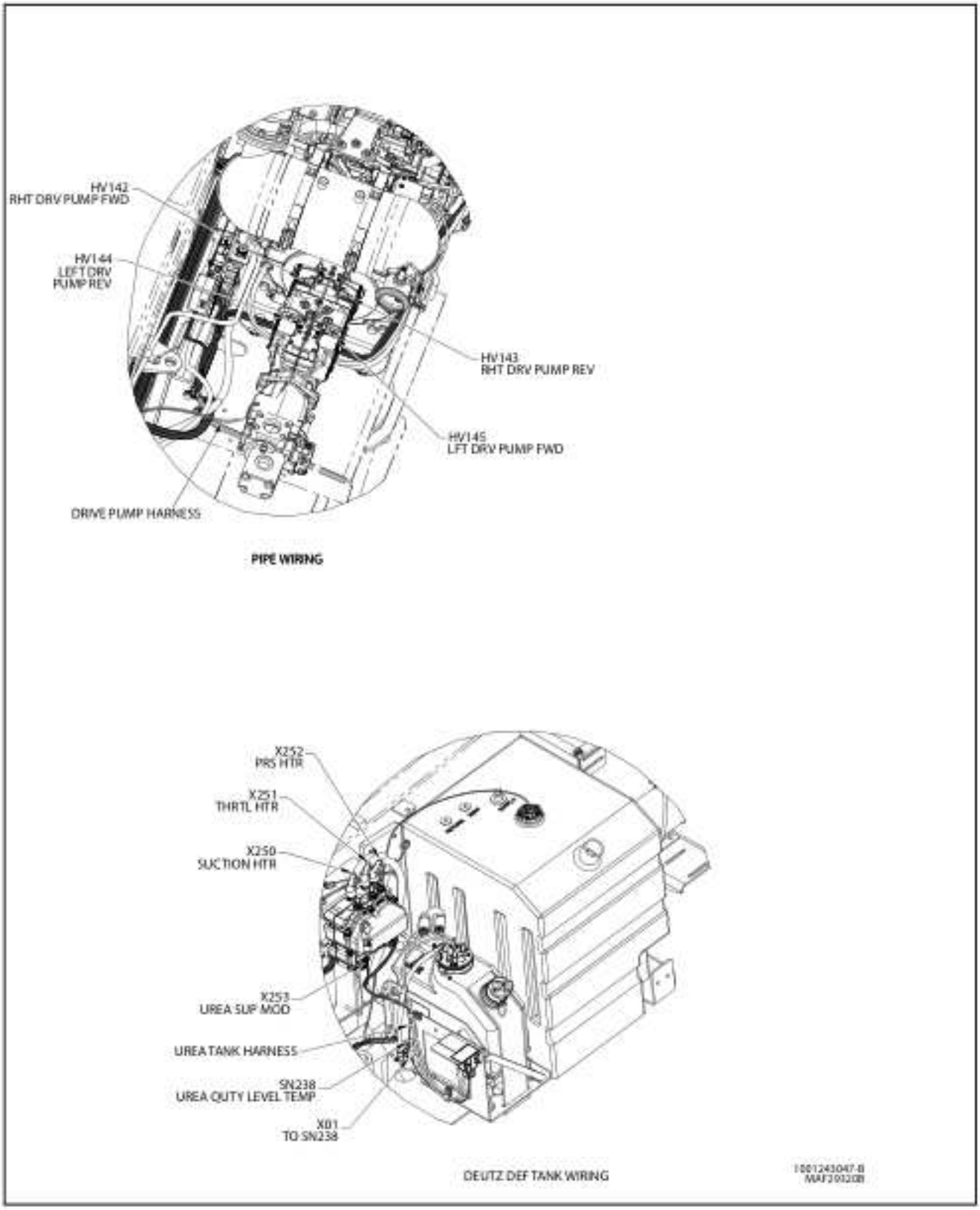


Figure 7-50. Chassis & Turntable Electrical Installation (HRC) - Sheet 9 of 11

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4. Remove the wear pads from the front of the mid boom section.





5. Pull the fly section from the mid section. Ensure the cables do not get tangled in the mid section as the fly section is being removed.

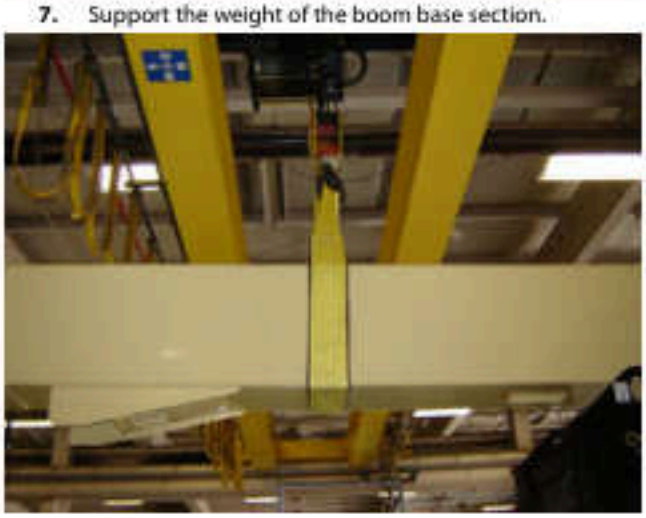


6. Remove the wire ropes from the boom fly section.





7. Support the weight of the boom base section.



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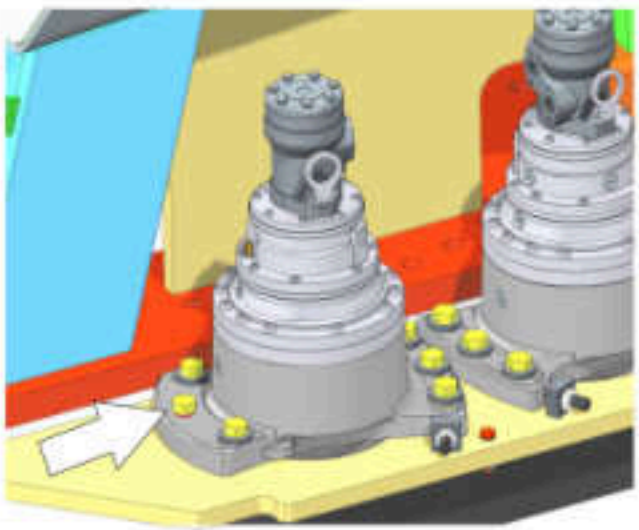
3.19 SETTING SWING GEAR BACKLASH

Set backlash 0.10 to 0.15" (0.254 to 0.381 mm) using the following procedure.

1. Place machine on firm, level ground.
2. Place shim between pinion and bearing on bearing high spot.

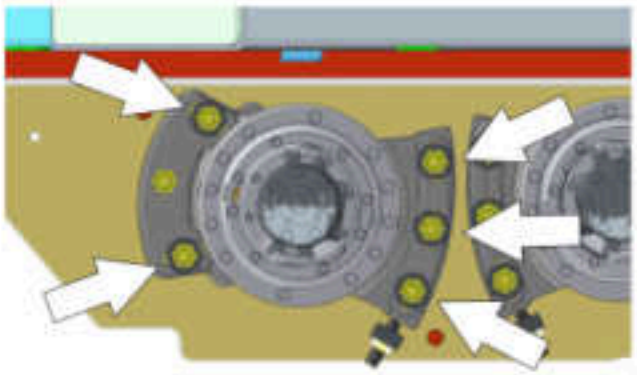


3. Apply High Strength Threadlocking Compound to bolt. Torque pivot spacer screw to 340 ft-lb (461 Nm).

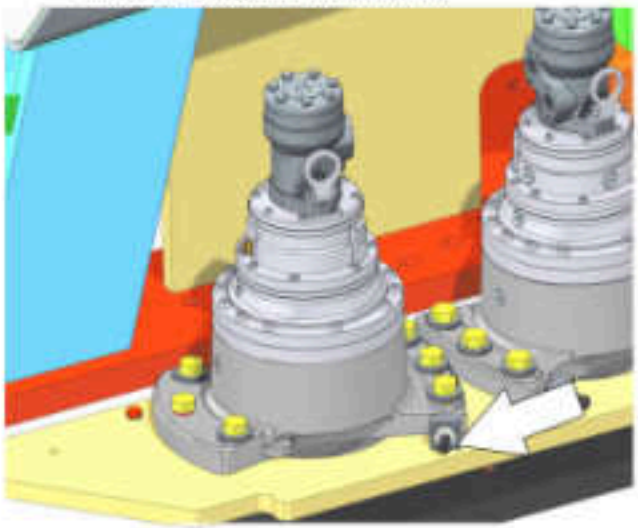


NOTE: *Make sure turntable is properly supported during the following step. The turntable can swing a few degrees when turntable lock is removed if turntable is not balanced.*

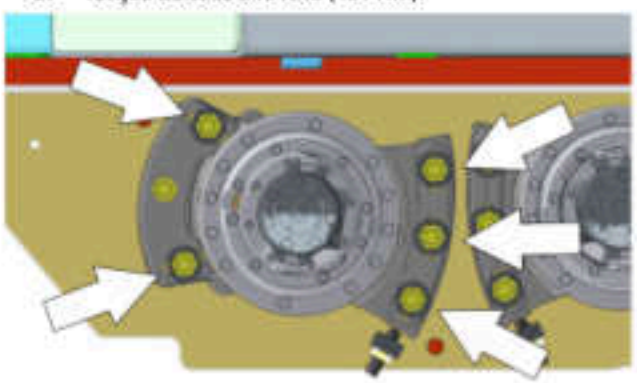
4. Remove turntable lock pin.
5. Apply High Strength Threadlocking Compound to the bolts. Pre-torque the five bolts to 45 ft-lb (6 kgm).



6. Tighten setscrew until pinion is completely snug against shim and bearing. Back off setscrew.



7. Torque setscrew to 50 ft-lb (68 Nm).
8. Apply High Strength Threadlocking Compound. Tighten jam nut.
9. Torque bolts to 340 ft-lb (461 Nm).



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