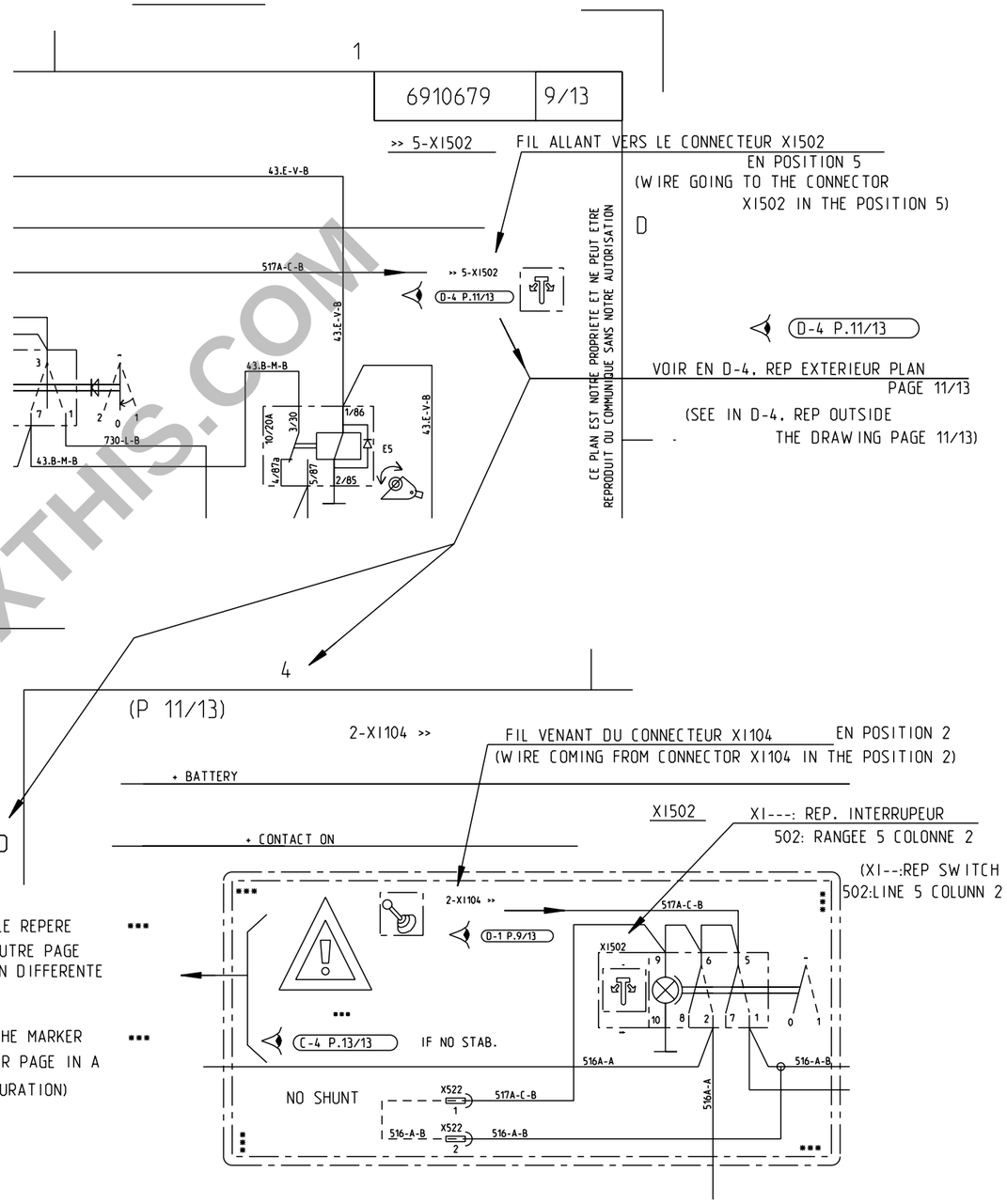
AUCUNE MODIFICATION NE DOIT ETRE EFFECTUEE SANS L'ACCORD DU BUREAU D'ETUDES

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Projet NG33	MODEL	N° Serie (Serial Nr)	
	T35120SL	S/N 362611001	et suivant (and above)
	T35120L	S/N 362711001	et suivant (and above)
	T3571	S/N 362811001	et suivant (and above)
	T3571L	S/N 362911001	et suivant (and above)
	MF8947	S/N 363611001	et suivant (and above)
	MF8947(CD)	S/N 365811001	et suivant (and above)
	MF8942	S/N 365911001	et suivant (and above)

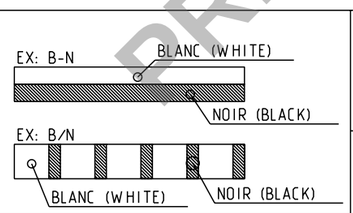
LEGEND



ATTENTION LE CADRE AVEC LE REPERE *** EST AUSSI SUR UNE AUTRE PAGE DANS UNE CONFIGURATION DIFFERENTE

(WARNING: THE BOX WITH THE MARKER *** IS ALSO ON AN OTHER PAGE IN A DIFFERENTE CONFIGURATION)

A	BLEU CIEL (LIGHT BLUE)	M	MARRON (BROWN)
B	BLANC (WHITE)	N	NOIR (BLACK)
C	ORANGE (ORANGE)	R	ROUGE (RED)
G	JAUNE (YELLOW)	S	ROSE (PINK)
H	GRIS (GREY)	V	VERT (GREEN)
L	BLEU FONCE (DARK BLUE)	Z	VIOLET (PURPLE)



49.A-V-N : FIL N?49.A VERT-NOIR
(49.A-V-N : WIRE N ° 49.A GREEN-BLACK)
62-N : FIL N?62 NOIR
(62-N : WIRE N ° 62 BLACK)
68.0-R : FIL N?68.0 ROUGE
(68.0-R : WIRE N ° 68.0 RED)

X88 4
88:N? DU CONNECTEUR
(88:N ° CONNECTOR)
4:POSITION DU FIL
(4:WIRE POSITION)

MODIF.	DATE	VISA		O.M.	Ind.
△	08/04/04	DP	PAGES 2 ET 3 REVUES; + MODIFS DIVERS	-	A
			ETAIT AVANT MODIFICATION		

ECHELLE 0	Bobcat France S.A.	COTES NON TOLERANCEES	O.C.	PLANCHE
DESSINE le 31/03/2003 par D.Pouvreau	F-44160 PONTCHATEAU Tel:02 40 00 73 50 Telex:710788F Fax:02 40 00 73 60	LONGUEURS: L < 250 ? 0.25; L < 500 ? 0.5; L > 1000 ? 1 / OXYCOUPAGE: L < 1000 ? 1; L > 1000 ? 2	0	1/13
			FORMAT	A3
SCH. ELECT. NG33 ESA			6914103	

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GLOSSARY OF HYDRAULIC/HYDROSTATIC SYMBOLS

SYMBOL DESCRIPTION

FLOW LINES and CONNECTIONS

WORKING CIRCUITS – Continuous, Solid Line – Working (Main) Line, Return Line (line conducting fluid from working devices to the reservoir) and Feed Line (main line conductor)

PILOT PRESSURE – Dashed Line – Pilot Line (line which conducts control fluid)

DRAIN CIRCUITS – Dotted Line – Drain Line (drain or bleed line – line conducting fluid from a component housing to the reservoir)

COMPONENTS – Long Chain Line – Enclosure outline for several components assembled in one unit

MECHANICAL CONNECTIONS – Double Line (Shaft, Lever, Piston Rod)

CONNECTED JUNCTION OF OIL LINES (Flow Line Connection)

OIL LINES CROSSING (NOT Connected)

COUPLER – Quick-Acting Coupling (uncoupled, closed by non-return valve)

SYMBOL DESCRIPTION

BASIC and MISCELLANEOUS SYMBOLS

RESTRICTION – Line with Fixed Restriction – Affected by Viscosity (property of resistance to flowing fluid)

VARIABLE ADJUSTMENT RESTRICTION – Regulated or Variable Restriction

TEMPERATURE CONTROL – (indication of temperature)

TEMPERATURE INDICATOR – (temperature measurement – thermometer)

FILTER (strainer or screen) – For fluid conditioning

VENTED AND FILTERED RESERVOIR (reservoir open to atmosphere)

OIL COOLER (heat exchanger) – The arrows in the diamond indicate the extraction of heat (heat dissipation)

PRESSURE SENSOR – Varies electric signal with pressure

DIFFERENTIAL PRESSURE SWITCH – Switch activates when pressure difference reaches specified level

PRESSURE SWITCH – Switch activates when pressure reaches specified level

MUFFLER (silencer) – Reduces noise

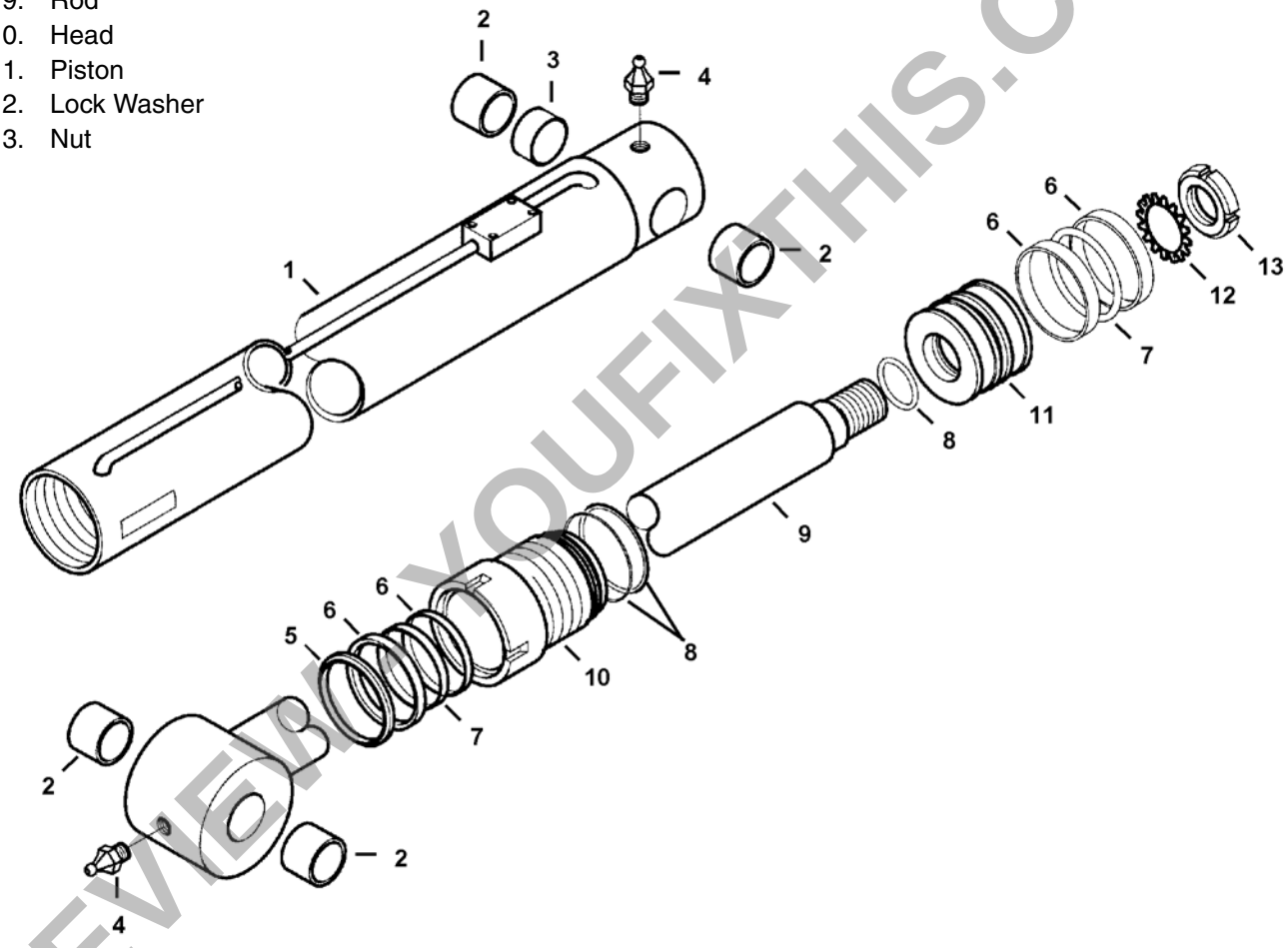
mc-2340

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Parts Identification

1. Housing
2. Bushing
3. Spacer
4. Grease Fitting
5. Wiper
6. Wear Ring
7. Seal
8. O-ring
9. Rod
10. Head
11. Piston
12. Lock Washer
13. Nut



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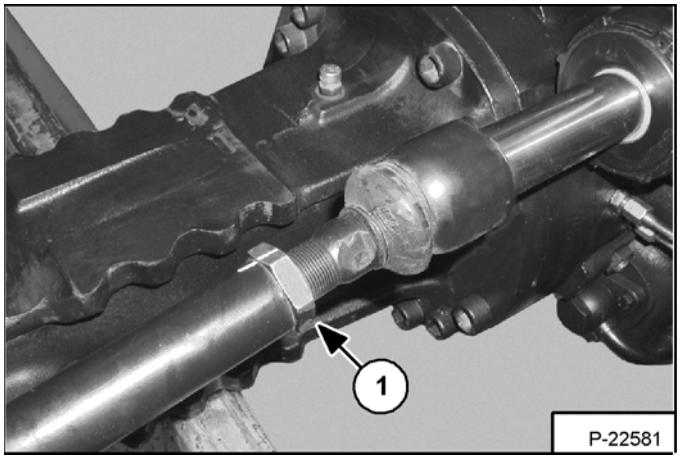
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STEERING CYLINDER (FRONT)

Removal And Installation

Remove the axle. (See Content Page 40-01.)

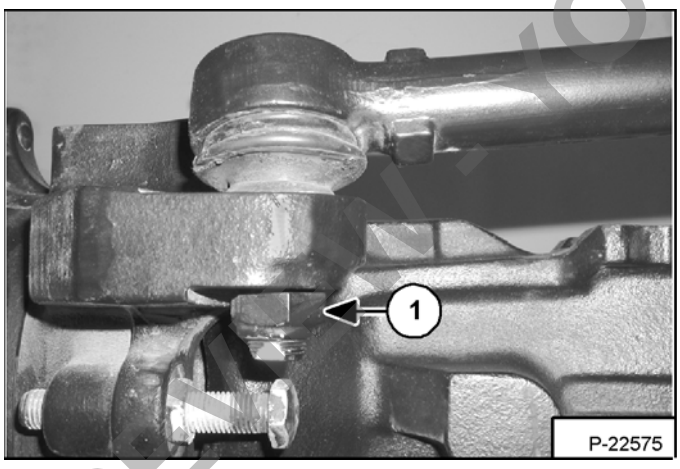
Figure 20-60-1



Loosen the tie rod jam nut (Item 1) **[Figure 20-60-1]**, mark the location of the nut for ease of assembly.

Installation: Tighten the jam nut to 185 ft.-lbs. (250 Nm) torque.

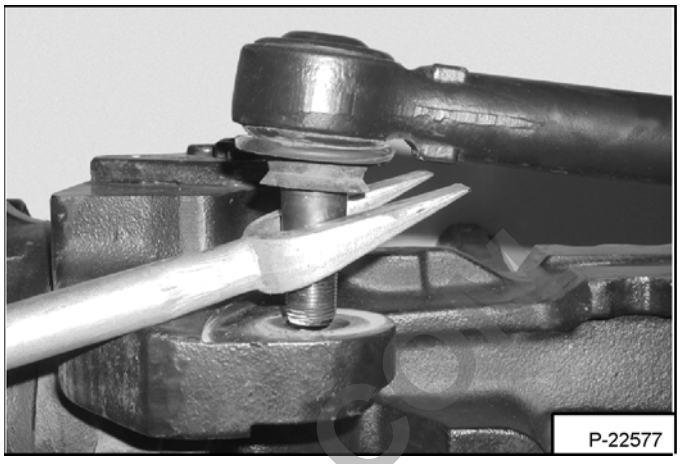
Figure 20-60-2



Loosen and remove the tie rod nut (Item 1) **[Figure 20-60-2]**.

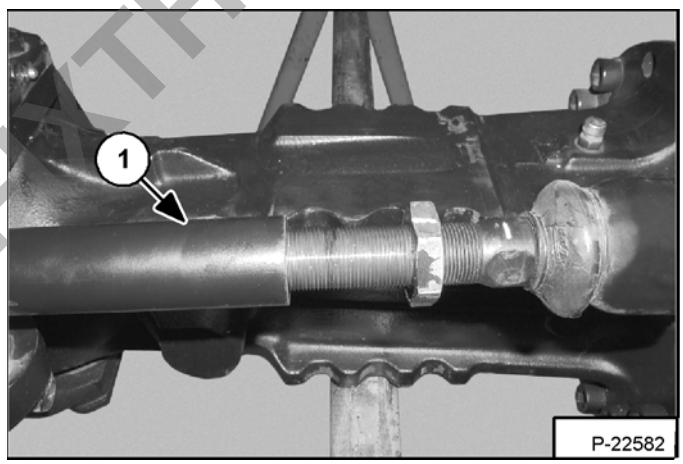
Installation: Tighten the nut to 160 ft.-lbs. (220 Nm) torque.

Figure 20-60-3



Remove the tie rod end from the axle **[Figure 20-60-3]**.

Figure 20-60-4



Remove the tie rod ends (Item 1) **[Figure 20-60-4]** from the steering cylinder.

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7.2 Table of Errors

System errors					
GPI Error No.	**Checked signal from**	**Type of Error**	**Error LED flash code**	**DIA 1 Error No.**	**Error caused by**
1	sensor supply voltage	4	– • • •	**01**	sensor voltage out of range
2 - 16	not used				
Sensor errors					
GPI Error No.	**Checked signal from**	**Type of Error**	**Error LED flash code**	**DIA 1 Error No.**	**Error caused by**
1	default parameter checksum	3	–––––	**17**	checksum mismatch
2	inch parameter checksum			**18**	included default checksum
3	inch/brake potentiometer	7 5 6	– – • •	**19**	no pedal setup done value too low value too high
4	engine speed pickup	6	• • – •	**20**	engine speed missed when starting engine
5	propel current	1 2	– • – •	**21**	short cut open circuit
6	F-N-R switch	4	• – – •	**22**	short cut between forward and reverse
7	engine speed pickup	6	– – – •	**23**	engine speed interrupted
8	hydro motor propel current	1 2	• • • –	**24**	short cut open circuit
9	creep drive parameter checksum			**25**	included default checksum
10	creep drive potentiometer	5 6	– • • –	**26**	value too low value too high
11	motor speed pickup	6	• • – –	**27**	motor speed interrupted
12 - 32	not used				
-	wrong kernel	-	• – • –		kernel software < 2.5
-	wrong hardware	-	– – • –		hardware is not S1X-11 G2 AMP

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LIFTING AND BLOCKING THE TELEHANDLER

Procedure

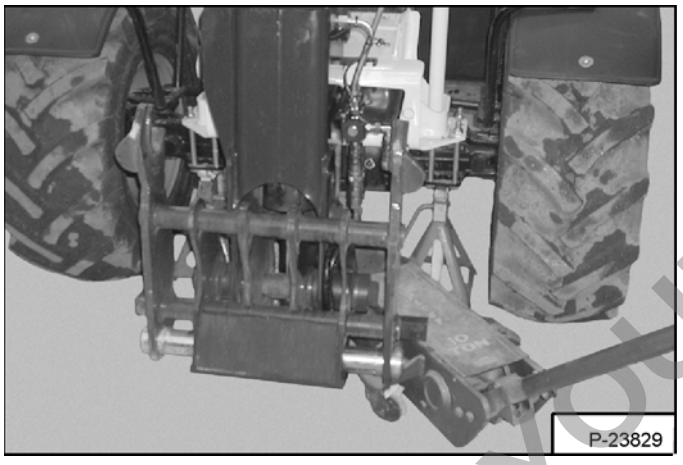
Always park the machine on a level surface.

⚠ WARNING

Put jackstands under the front and rear axle before running the engine for service. Failure to use jackstands can allow the machine to fall or move and cause injury or death.

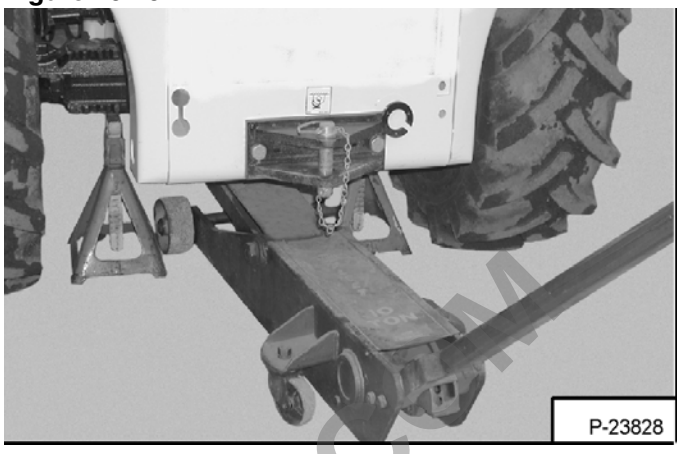
W-2461-0303

Figure 10-10-1



STOP the engine. Put the floor jack under the center of the front axle. Lift the Telehandler and install jackstands **[Figure 10-10-1]**.

Figure 10-10-2



Put the floor jack under the center of the rear axle. Lift the Telehandler and install jackstands **[Figure 10-10-2]**.

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Troubleshooting Chart

The following troubleshooting chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorized Massey Ferguson Service Personnel only.

⚠ WARNING

Check for correct function after adjustments, repairs or service. Failure to make correct repairs or adjustments can cause injury or death.

W-2004-1285

PROBLEM	CAUSE
The hydraulic system will not operate.	1, 2, 3, 6
The hydraulic oil temperature warning light comes ON when hydraulics are operating.	1, 2
Slow hydraulic system action.	1, 2, 4, 8
Hydraulic action is not smooth.	1, 3, 4, 5
Boom goes up slowly at full engine RPM.	1, 2, 4, 5, 6, 7
The boom comes down with the lever in neutral position.	7, 8, 9

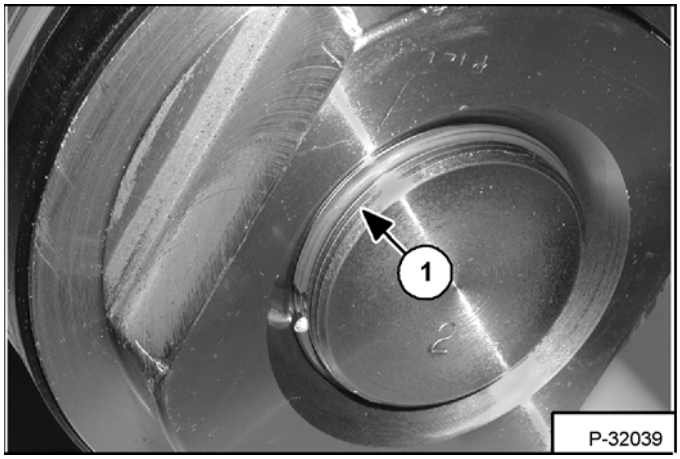
KEY TO CORRECT THE CAUSE
1. The fluid level is not correct..
2. The hydraulic pump has damage.
3. Relief valve is not at the correct pressure.
4. Suction leak on the inlet side of the hydraulic pump.
5. Fluid is cold. Wrong viscosity fluid. (See Section SPEC-01.)
6. Using the machine for more than its rated capacity.
7. Internal leak in the lift cylinder.
8. External leak from the cylinder(s).
9. Damaged lift spool.

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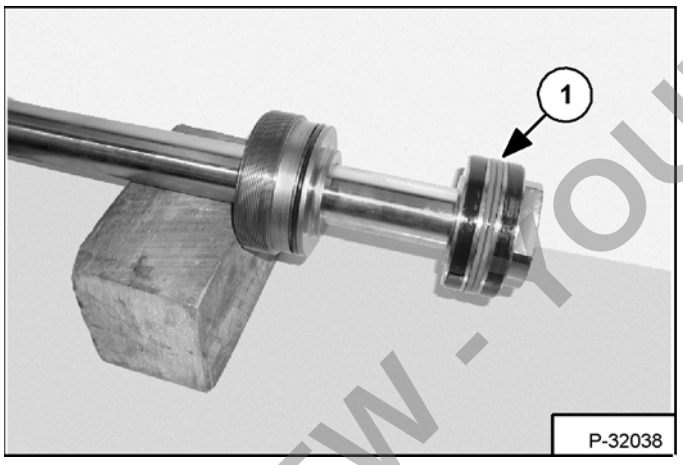
Disassembly (Cont'd)

Figure 20-50-13



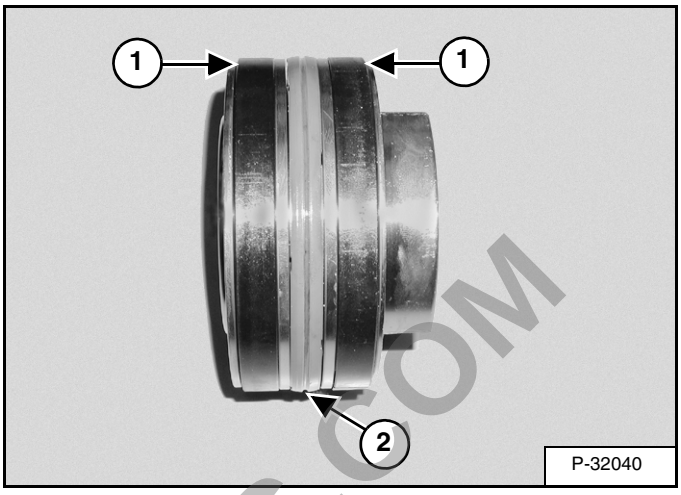
Remove the lock ring (Item 1) **[Figure 20-50-13]**.

Figure 20-50-14



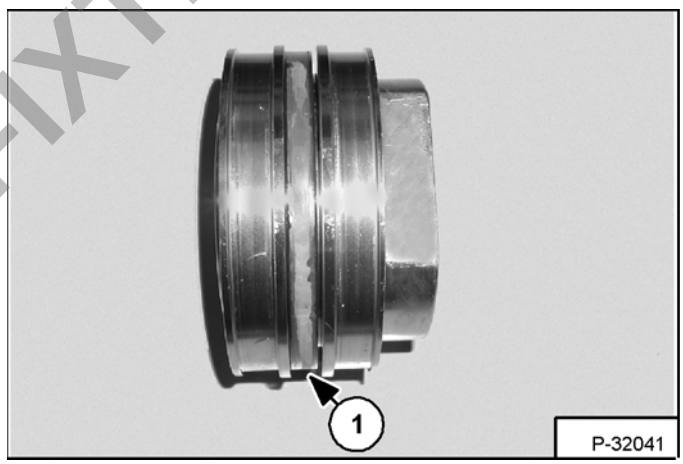
Remove the piston (Item 1) **[Figure 20-50-14]** from the rod.

Figure 20-50-15



Remove the two wear rings (Item 1) and seal (Item 2) **[Figure 20-50-15]** from the piston.

Figure 20-50-16



Remove the expander O-ring (Item 1) **[Figure 20-50-16]**.

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SERVICE SCHEDULE

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Massey Ferguson Telehandler.

⚠ WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0199

SERVICE SCHEDULE		HOURS					
ITEM	SERVICE REQUIRED	Daily	50	100	250	500	■ 1000
Engine Oil	Check the oil level and add oil as needed.						
Hydraulic Fluid	Check fluid level and add as needed.						
Articulation Pins	Lubricate with multi-purpose lithium based grease.						
Safety Signs, Safety Tread and Mirrors	Check for damaged signs (decals), safety tread and mirrors. Replace if damaged or worn.						
Fuel Filter	Clean the sediment bowl/water trap.						
Nuts & Bolts	Check for loose nuts and bolts. Tighten as needed.						
Seat Belt and Restraint Bar (if equipped)	Check the condition of the seat belt. Check the Restraint Bar (if equipped). Clean dirt and debris from moving parts.						
Brakes	Check for function. Service as necessary.						
Back-up Alarm	Check for function. Replace as necessary.						
Tyres	Check for wear or damage. Inflate to correct pressure. Be sure all tyres are inflated to the same pressure. Use only approved tyres.						
Engine Air Filter And Air System	Check condition indicator, replace element when required and empty dust cup as needed. Check air system for leaks.						
Engine Cooling System	Clean debris from oil cooler, radiator and air conditioner condenser. check coolant level cold in reservoir. Add premixed coolant as needed (See *ENGINE COOLING SYSTEM*, Page PM-16). Check cooling system for leaks.						
King Pins, U-Joints, Axle Oscillation (Front/Rear), Attach. Frame Pivot(s), Tilt/Lift Cyl., Boom Pivot, Leveling Cyl. (if equipped)	Lubricate with multi-purpose lithium based grease.						
Telescopic Boom Slide	Lubricate with multi-purpose lithium based grease. Check wear blocks for adjustment or replacement.						
Hydraulic Hoses, Tubelines & Connections	Check condition of hoses, tubelines and connectors. Repair or replace as needed.						
Battery	Check electrolyte level. Add distilled water as needed.						
Wheel Nuts	Check wheel nut torque. Tighten as needed [221 ft.-lbs. (300 Nm)].	▯					
Restraint Bar Spring Pivot	Lubricate with multi-purpose lithium based grease.						
Alt. & Air Cond. Belt (if equipped)	Check belt tension and adjust as needed.		●				
Engine Oil and Filter	Replace the engine oil and filter. See *SPECIFICATIONS* Page SPEC-01 for correct capacity. Use a genuine Massey Ferguson filter.		●				
Engine Air Filter	Replace the outer filter element. Use a genuine Massey FergusonMassey Ferguson filter.		●				
Fuel Filter	Replace the fuel filter element. Use a genuine Massey Ferguson filter.		●				
Hydraulic Fluid Filter	Replace the hydraulic filter element. Use a genuine Massey Ferguson filter.		●				
Hydrostatic Fluid Filter	Replace the hydraulic filter element. Use a genuine Massey Ferguson filter.		●				
Hydraulic Fluid and Filter	Replace the hydraulic fluid and filter element. See *SPECIFICATIONS*.						
Front & Rear Axle Fluid	Replace the axle fluid. See *SPECIFICATIONS*.			♣		➠	
Engine Coolant	Check freeze protection of antifreeze -34 F (-30 C). Flush cooling system and replace with premixed coolant (See *ENGINE COOLING SYSTEM*, PM-16).						
Telescopic Boom Wear Blocks	Check for wear and adjust as needed. Replace as necessary.						
Pivot Pins and Bushings	Check for wear on the pivot pins and bushings.						

▯ **Check wheel nut torque every 8 hours for the first 24 hours.**

● **Perform service first time, then as indicated in chart.**

♣ **Check level.**

➠ **Replace fluid first time, then as indicated in chart.**

❑ **Or every 6 months**

■ **Or every 12 months**

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Ex: X1104

X11-- X12-- X13-- X14-- X15--

XVH102

XVB101

X1--4 X1--3 X1--2 X1--1

Ex: X1501

X1601

6912455

X273 SHUNT CEC

CONTACT KEY

XCEC (12V) + XCEC2 (2V)

XCD251+XCD254

XCG252

X1002

X1001

N?	VOIES	CONNECTIONS (XX/YY)	LOCALISATION	
X001	4V	CEC/CAPTEUR PONT AR	SOUS LA CABINE	..
X20	4V	11/ESSUIE GL. AR	CAB. TOIT	
X21	4V	11/ESSUIE GL. TOIT	CAB. TOIT	
X28A	3V	1/14	CAB.AXE PEDALE	
X28B	3V	1/OPT CREEPER	TAB DE BORD	
X50	12V	1/6	SOUS LA CABINE	..
X55	4V	1/CHAUFFAGE	CAB. AVANT PUPITRE	
X56	6V	1/ESSUIE GL. AV	CAB. AVANT PUPITRE	
X87	24V	1/5	SOUS LA CABINE	..
X87B	12V	1/5	SOUS LA CABINE	..
X87C	4V	1/5	SOUS LA CABINE	..
X89	24V	1/4	SOUS LA CABINE	..
X90	11V	1/11	CAB. COTE BOITE FUSIBLE	
X184	18V	70/62	SOUS LA CABINE	..
X190A	1V	1/6	SOUS LA CABINE	..
X190B	1V	1/6	SOUS LA CABINE	..
X190D	6V	1/6	SOUS LA CABINE	..
X220	3V	71/72	COTE BOITE FUSIBLE	..
X221	2V	1/71	COTE BOITE FUSIBLE	
X222	6V	71/73	COTE CLIM.	
X231	12V	70/JOYSTICK	COTE BOITE FUSIBLE	
X241	2V	70/LORS	BARRE DE RETENUE	
X251	8V	1/70	CAB.CENTRE D.	
X252	12V	1/70	CAB.CENTRE D.	
X270	12V	1/92	SOUS LA CABINE	..
X271	6V	1/93	SOUS LA CABINE	..
X272	12V	1/INCLINOMETER	SOUS LA CABINE	..
X276	1V	1/..OPT LIBRE (NOT USED)	COTE BOITE FUSIBLE	
X285	6V	1/SHUNT STAB.	COTE BOITE FUSIBLE	

ensemble tableau de bord

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GLOSSARY OF HYDRAULIC/HYDROSTATIC SYMBOLS

SYMBOL DESCRIPTION

CYLINDER: Equipment to convert hydraulic energy into linear energy and in which the fluid pressure operates alternately in both directions (forward and backward strokes)



DOUBLE ACTING HYDRAULIC CYLINDER, UNEQUAL DISPLACEMENT - With single piston rod



DOUBLE ACTING HYDRAULIC CYLINDER, UNEQUAL DISPLACEMENT and CUSHION ON ONE END - With single piston rod

PUMP: To convert mechanical energy into hydraulic energy



FIXED CAPACITY DISPLACEMENT HYDRAULIC PUMP - With one direction of flow



VARIABLE CAPACITY DISPLACEMENT BIDIRECTIONAL HYDRAULIC PUMP - With two directions of flow (bidirectional)

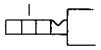
MOTOR: To convert hydraulic energy into rotary mechanical energy



FIXED CAPACITY DISPLACEMENT BIDIRECTIONAL HYDRAULIC MOTOR - With two directions of flow (bidirectional)

SYMBOL DESCRIPTION

CONTROL MECHANISMS



CONTROL VALVE WITH DETENT (Holds Valve in Position) - device for maintaining a given position (mechanical)



CONTROL VALVE ACTIVATED BY A PULL BUTTON (manual)



CONTROL VALVE ACTIVATED BY A PUSH-PULL BUTTON (manual)



CONTROL VALVE ACTIVATED BY A LEVER (manual)



CONTROL VALVE ACTIVATED BY A PEDAL (manual)



CONTROL VALVE WITH SPRING RETURN (mechanical)



CONTROL VALVE ACTIVATED BY AN ELECTRIC SOLENOID (electrical)



CONTROL VALVE ACTIVATED BY PILOT PRESSURE (indirect control, pilot actuated by application of pressure)

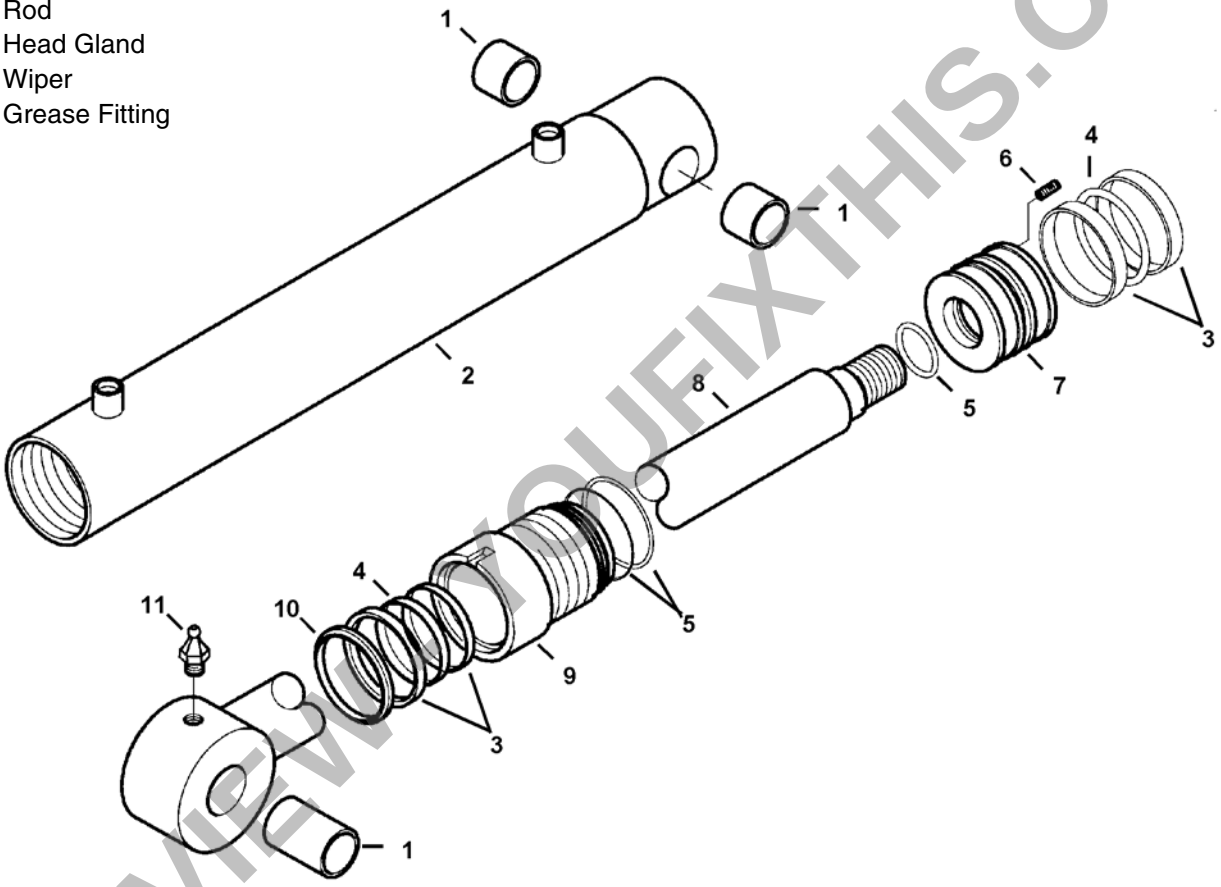
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Parts Identification

1. Bushing
2. Housing
3. Wear Ring
4. Seal
5. O-ring
6. Set Screw
7. Piston
8. Rod
9. Head Gland
10. Wiper
11. Grease Fitting



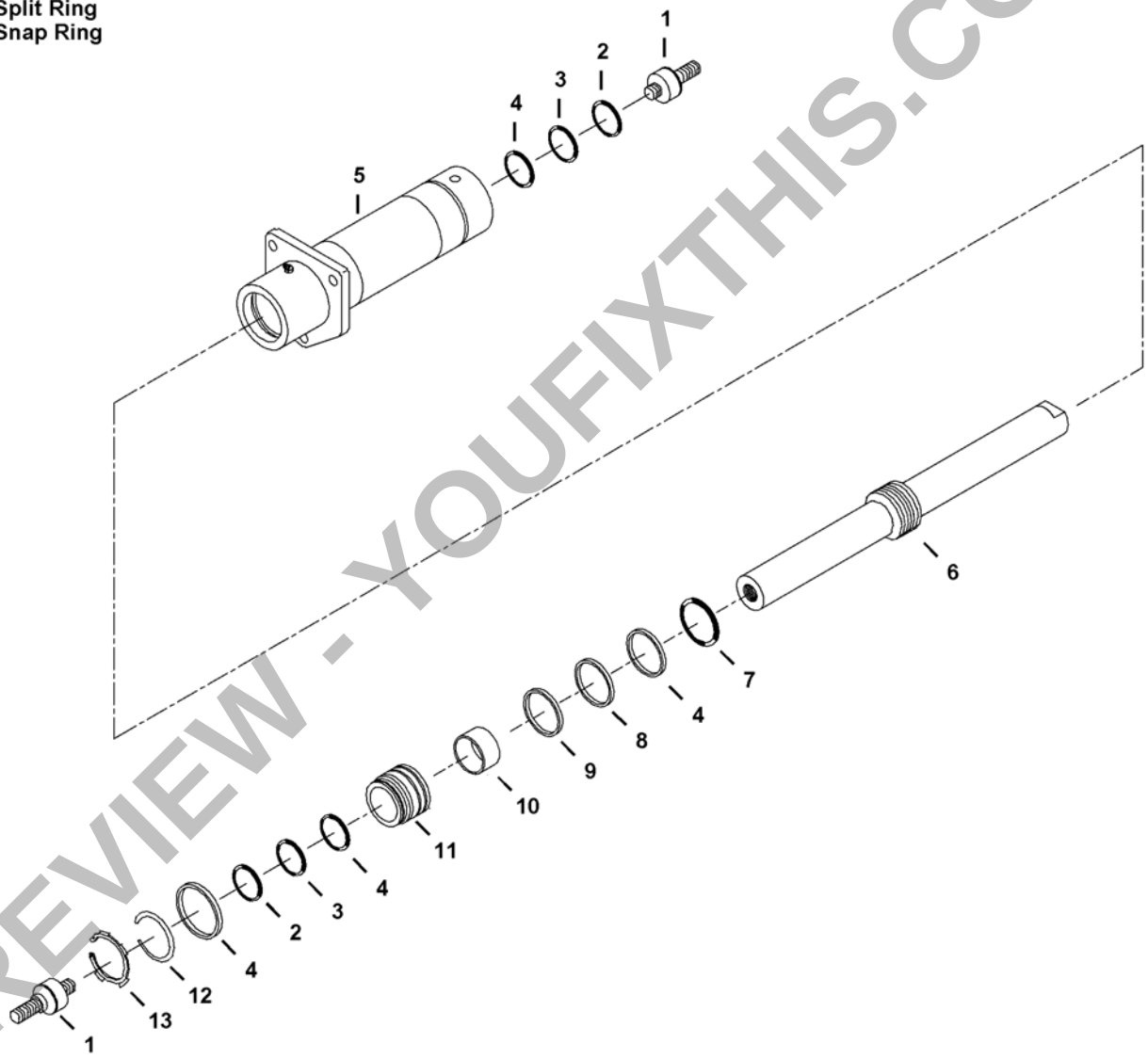
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Parts Identification

1. Swivel End
2. Wiper
3. Backup Washer
4. Seal
5. Housing
6. Rod
7. O-Ring
8. Magnetic Sensc
9. Wear Ring
10. Spacer
11. Head Gland
12. Split Ring
13. Snap Ring



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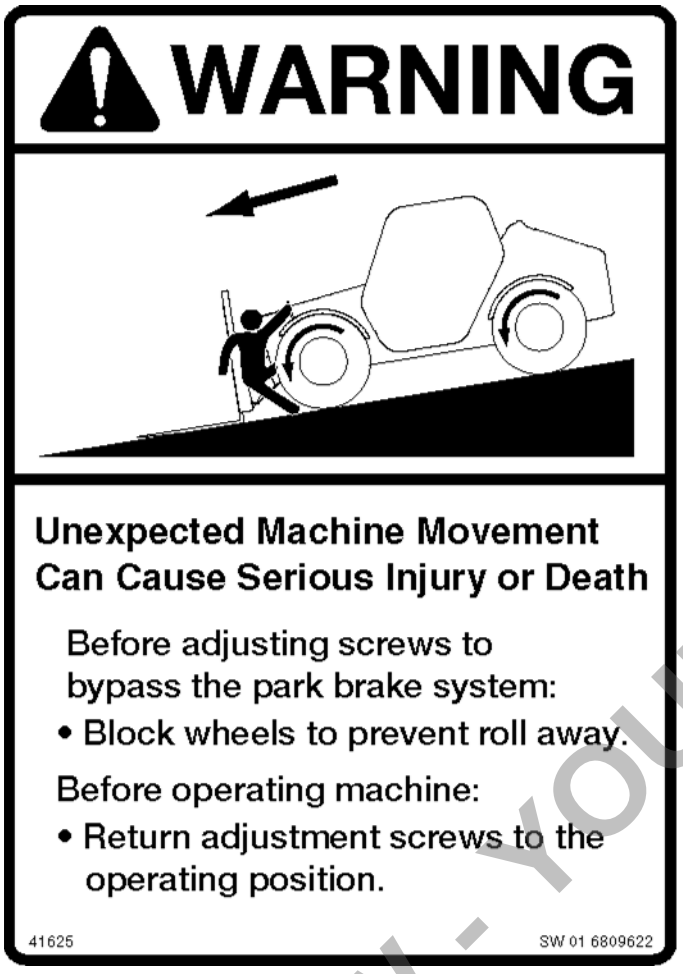
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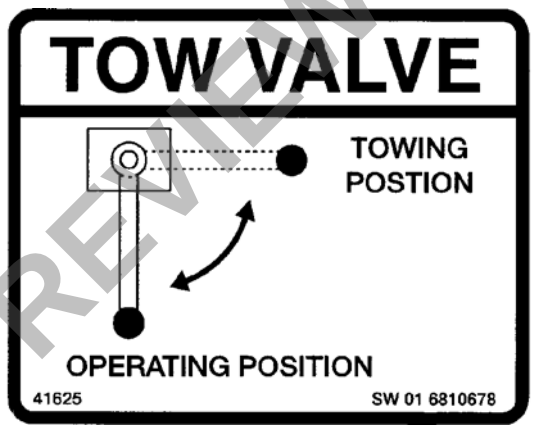
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TOWING THE TELEHANDLER

Procedure

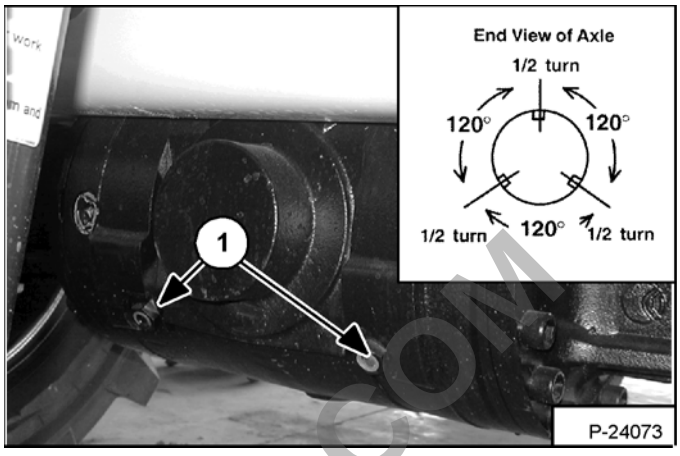
The Telehandler can be towed a short distance such as removing it from mud or loading onto a transport vehicle.





Block the wheels to prevent the machine from rolling.

Figure 10-40-1



Releasing Brake Disks: To release the brake disks, turn each of the six (6) screws (Item 1) **[Figure 10-40-1]** in only one half turn at a time; then repeat until all six screws are all the way in. (It will take 4 & 1/2 to 5 turns to fully release the brakes.) Record the number of turns so that you can return them to the same position later.

NOTE: This procedure is required on the front axle only.

NOTE: If one screw is turned all the way in before you start turning the others, the brake can be damaged.

There are three screws on each side (right and left) located 120° apart **[Figure 10-40-1]**.

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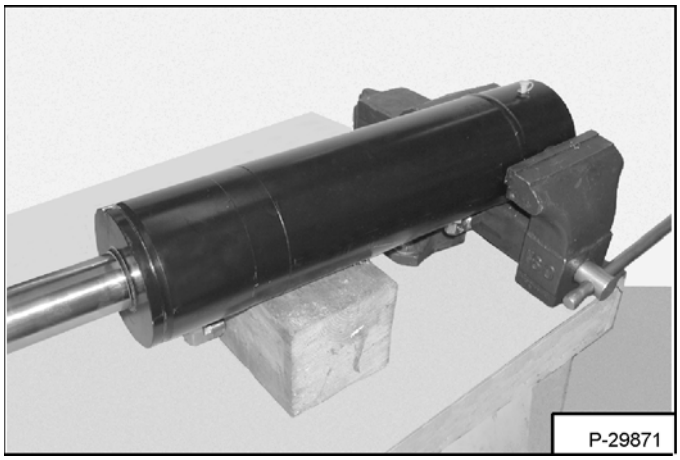
BUCKET POSITIONING CYLINDER (CONT'D)

Disassembly

Use the following tools to disassemble the cylinder:

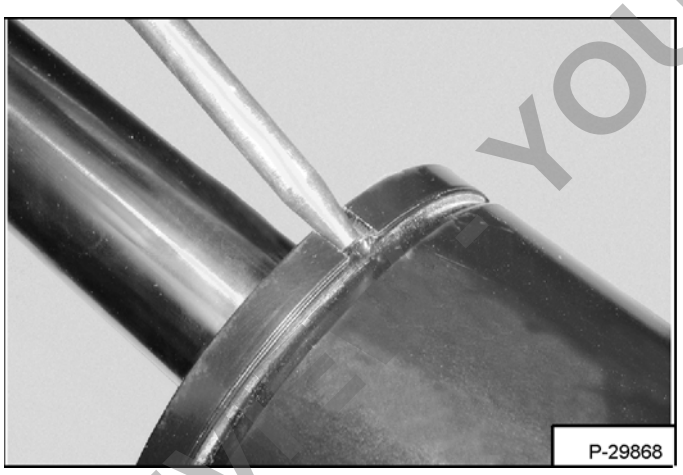
MEL1354-Spanner Wrench

Figure 20-30-10



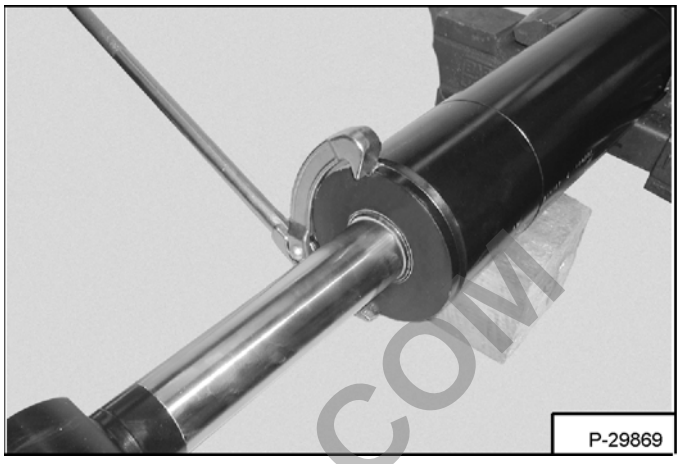
Put the cylinder in a vise **[Figure 20-30-10]**.

Figure 20-30-11



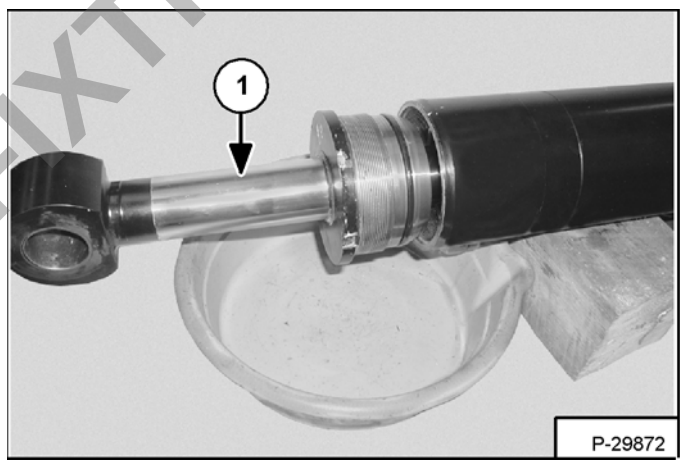
Carefully peen the lock ring from the head gland **[Figure 20-30-11]**.

Figure 20-30-12



Use a spanner wrench to remove the head gland **[Figure 20-30-12]**.

Figure 20-30-13



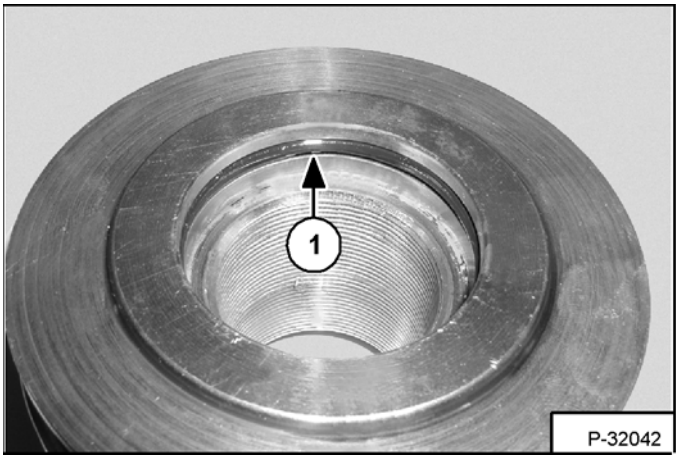
Remove the rod assembly (Item 1) **[Figure 20-30-13]** from the housing.

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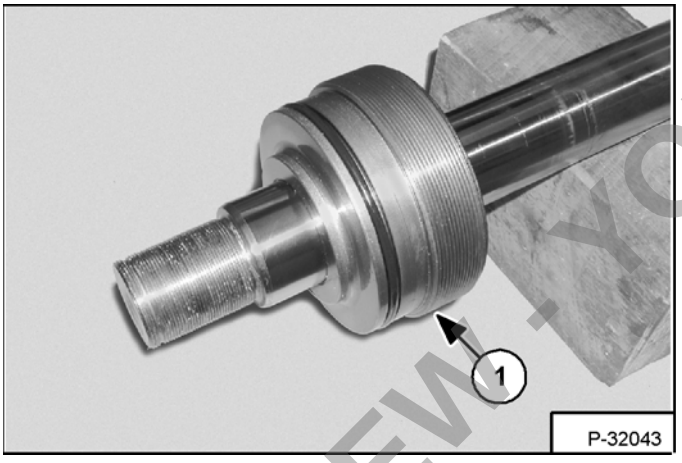
Disassembly (Cont'd)

Figure 20-50-17



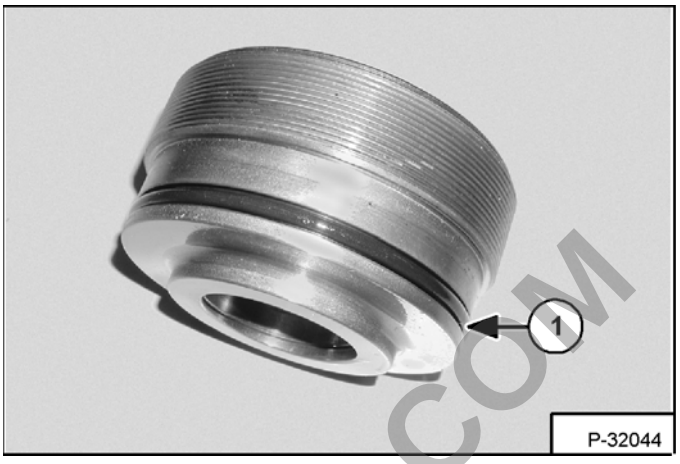
Remove the O-ring (Item 1) **[Figure 20-50-17]** from the inside of the piston.

Figure 20-50-18



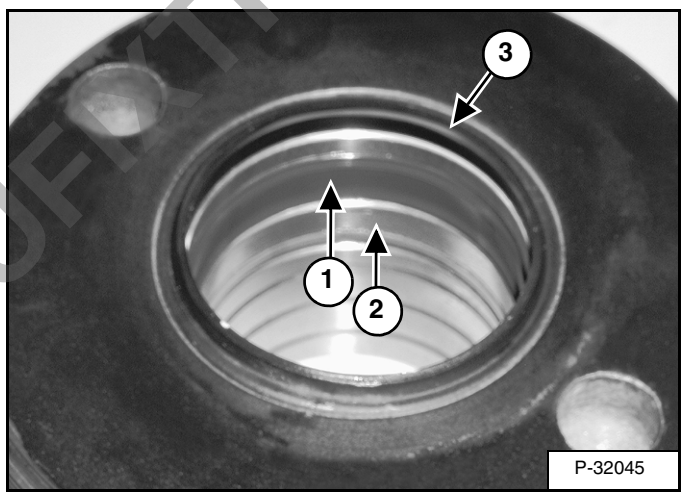
Remove the head gland (Item 1) **[Figure 20-50-18]** from the rod.

Figure 20-50-19



Remove the O-ring (Item 1) **[Figure 20-50-19]** from the head.

Figure 20-50-20



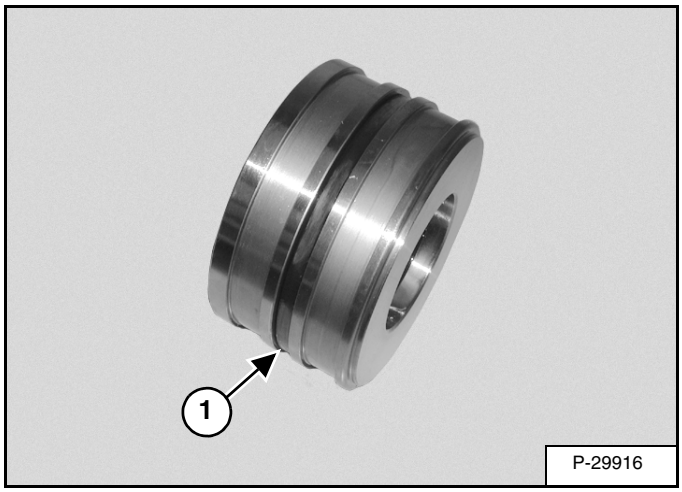
Remove the seal (Item 1) wear ring (Item 2) and wiper (Item 3) **[Figure 20-50-20]**.

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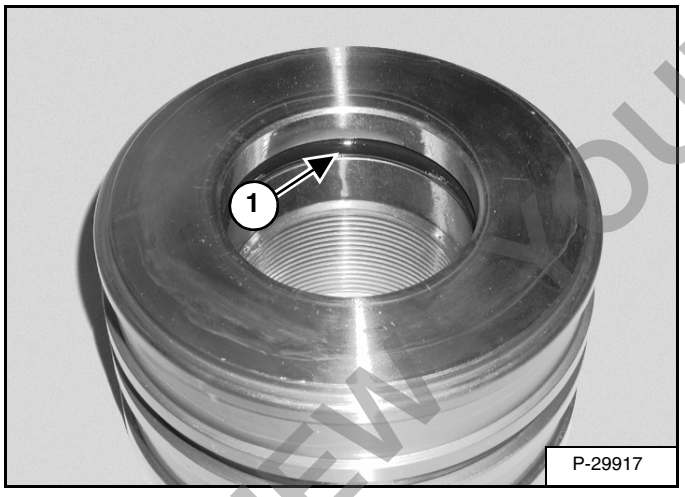
Disassembly (Cont'd)

Figure 20-20-27



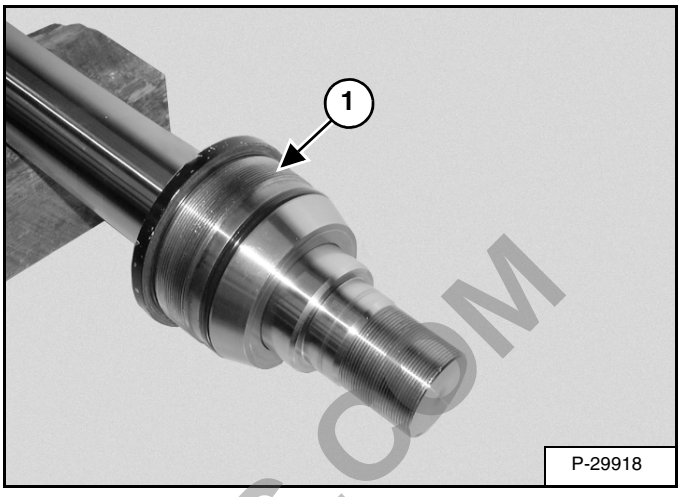
Remove the expander O-ring (Item 1) **[Figure 20-20-27]**.

Figure 20-20-28



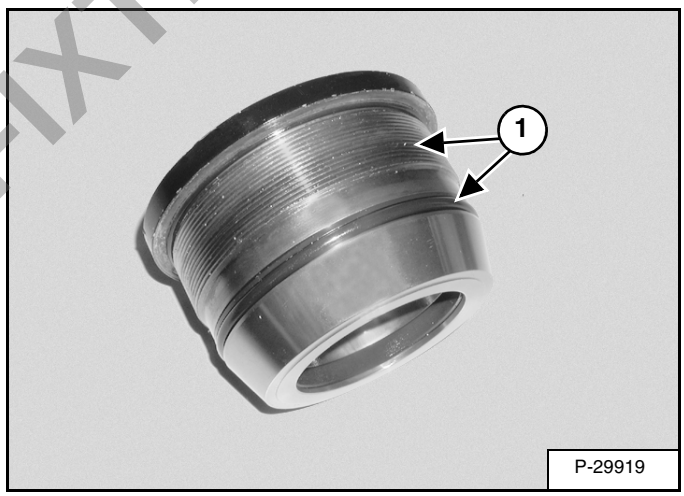
Remove the O-ring (Item 1) **[Figure 20-20-28]** from the piston.

Figure 20-20-29



Remove the head gland (Item 1) **[Figure 20-20-29]** from the rod.

Figure 20-20-30

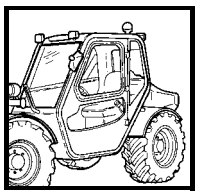


Remove the two O-rings (Item 1) **[Figure 20-20-30]** from the head gland.

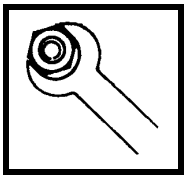
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1. Check that ROPS/FOPS (including right side window) is in good condition and is not modified.



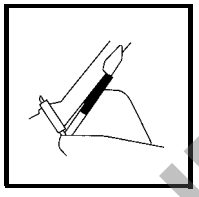
2. Check that ROPS mounting hardware is tightened and is Massey Ferguson approved.



3. The seat belt must be correctly installed, functional and in good condition.



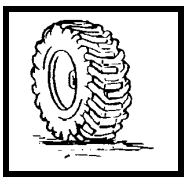
4. Check boom support device, replace if damaged.



5. Machine signs must be legible and in the correct location.



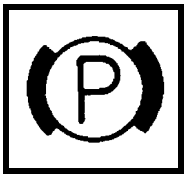
6. Check tyres for wear and pressure. Use only approved tyrestyres.



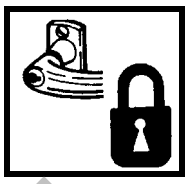
7. Check for correct function of the work lights.



8. The parking brake must function correctly.



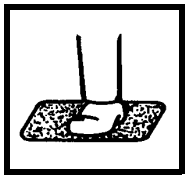
9. Enclosure door latches must open and close freely.



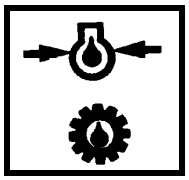
10. Attachment locking pins must function correctly and be in good condition.



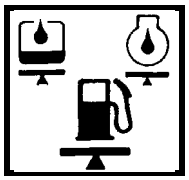
11. Safety treads must be in good condition.



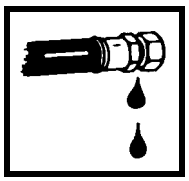
12. Check for correct function of indicator lamps and gauges.



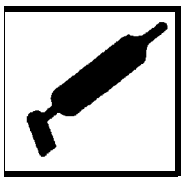
13. Check hydraulic fluid level, engine oil level and fuel supply.



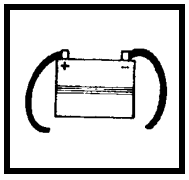
14. Inspect for fuel, oil or hydraulic fluid leaks.



15. Lubricate the Telehandler.



16. Check the condition of the battery and cables.

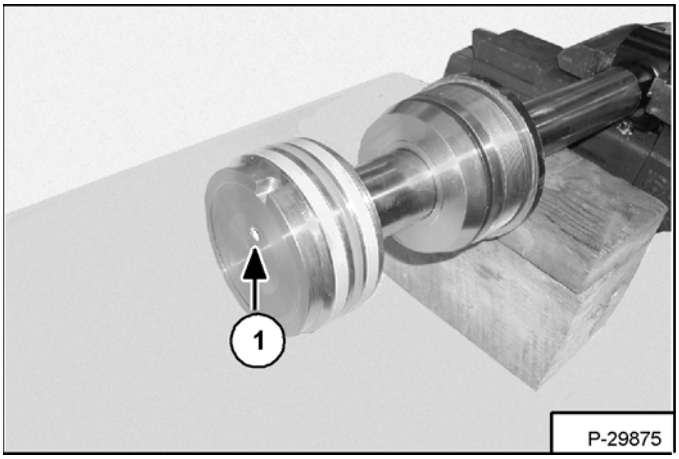


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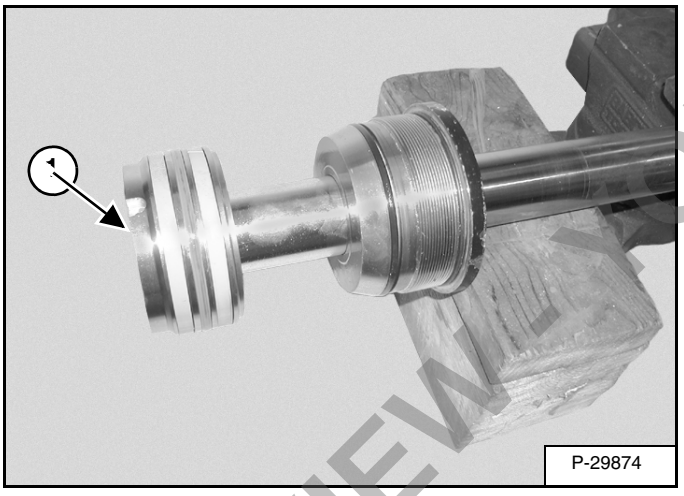
Assembly (Cont'd)

Figure 20-30-37



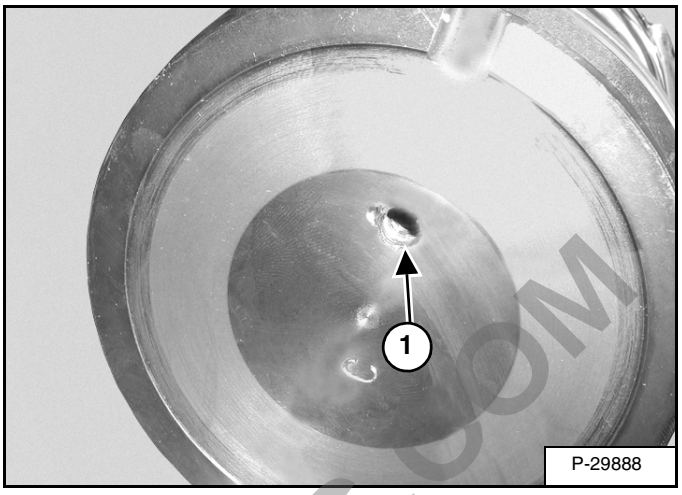
Install the set screw (Item 1) **[Figure 20-30-37]** into the piston and tighten.

Figure 20-30-38



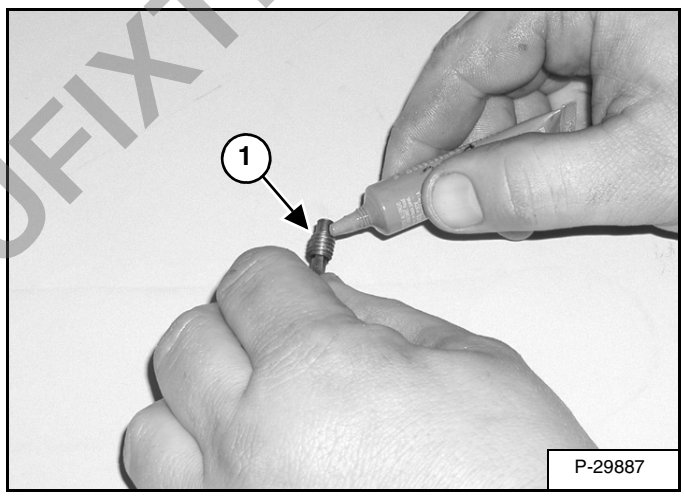
Install the rod assembly (Item 1) **[Figure 20-30-38]** into the housing.

Figure 20-30-39



Use the spanner wrench to tighten the head gland **[Figure 20-30-39]**.

Figure 20-30-40



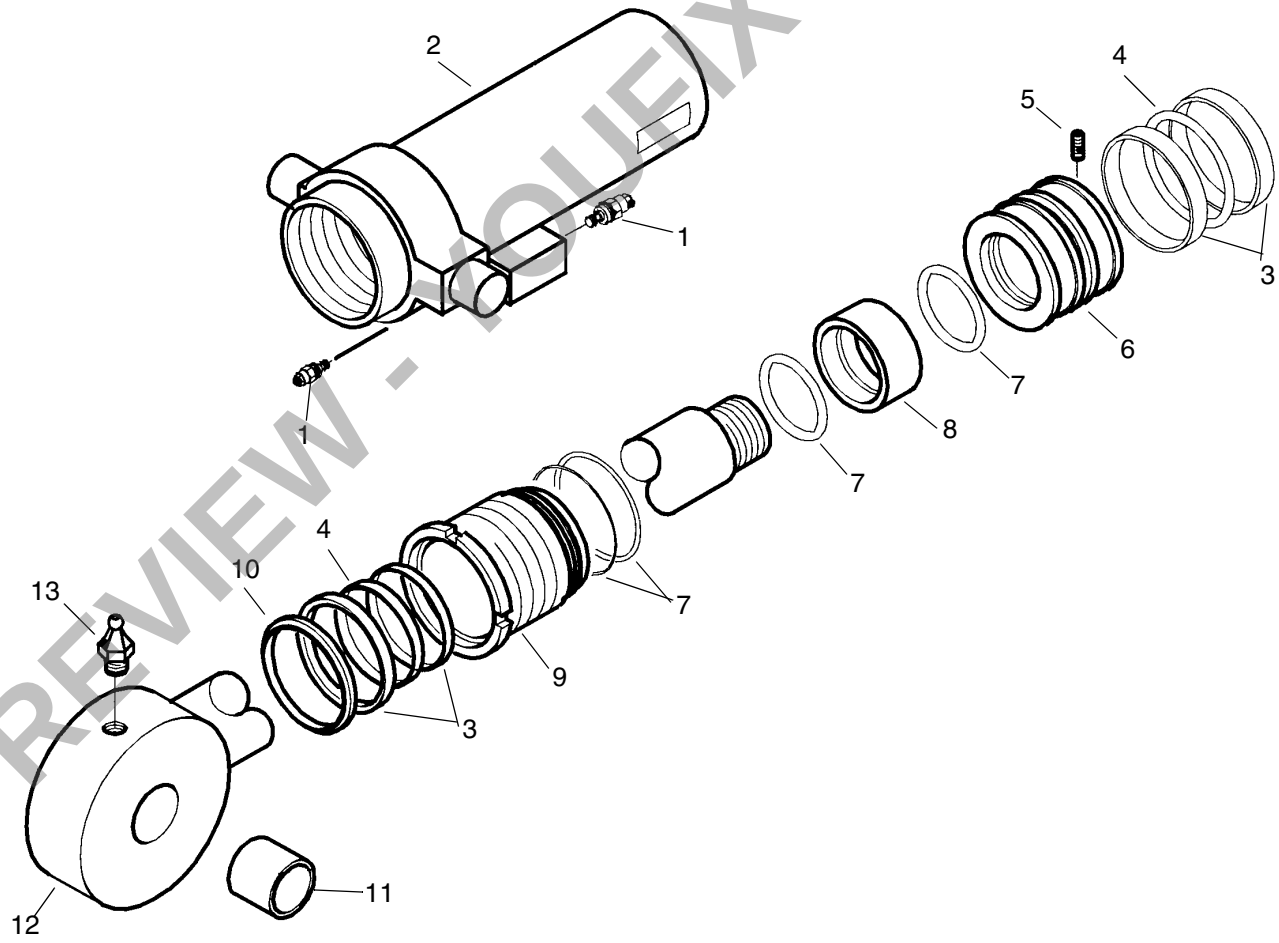
Carefully peen the lock ring over and into the nut **[Figure 20-30-40]**.

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Parts Identification

1. Relief Cartridge
2. Housing
3. Wear Ring
4. Seal
5. Set Screw
6. Piston
7. O-ring
8. Sleeve
9. Head Gland
10. Wiper
11. Bushing
12. Rod
13. Grease Fitting



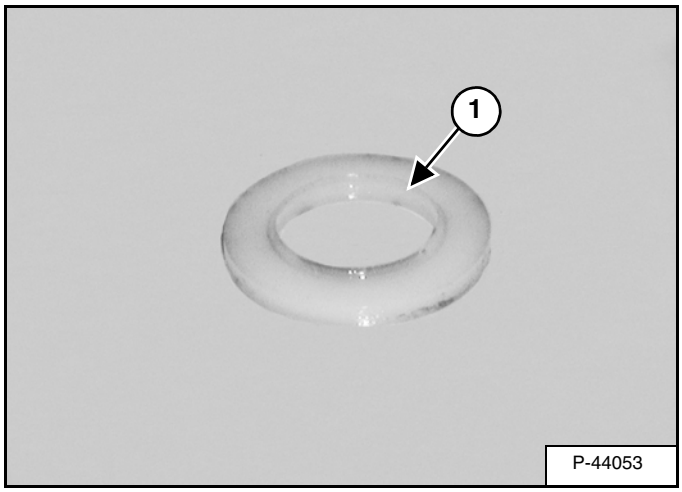
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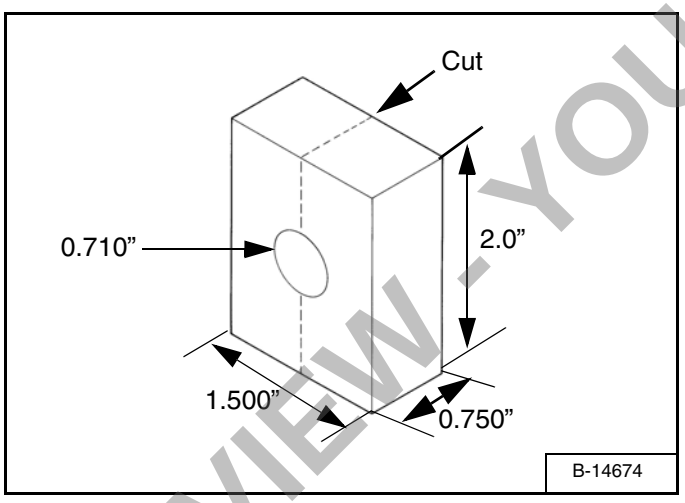
Auxiliary/Frame Leveling Valve Section Disassembly And Assembly (Cont'd)

Figure 20-170-195



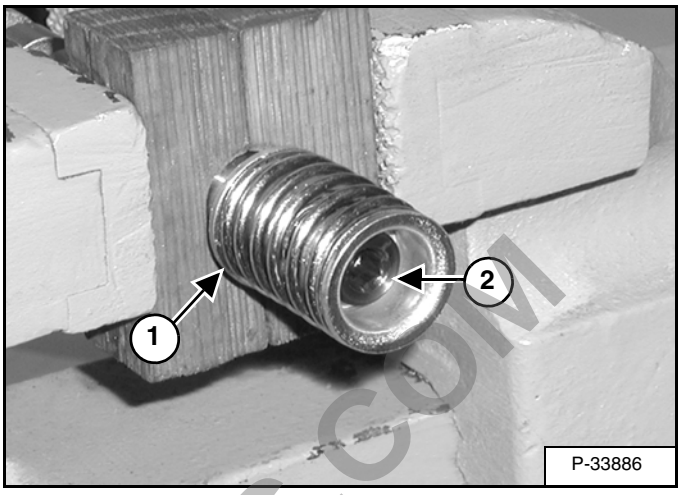
Assembly: The lip on the seal (Item 1) **[Figure 20-170-195]** fits inside the retainer.

Figure 20-170-196



To remove the spring assembly from the spool a holding fixture will have to be made from a .750 inch thick x 1.500 inch wide x 2.0 inch long (19 mm thick x 38 mm wide x 51 mm long) piece of hardwood. Drill a 0.710 inch (18 mm) hole in the center of the hardwood block. Cut the block lengthwise **[Figure 20-170-196]**.

Figure 20-170-197



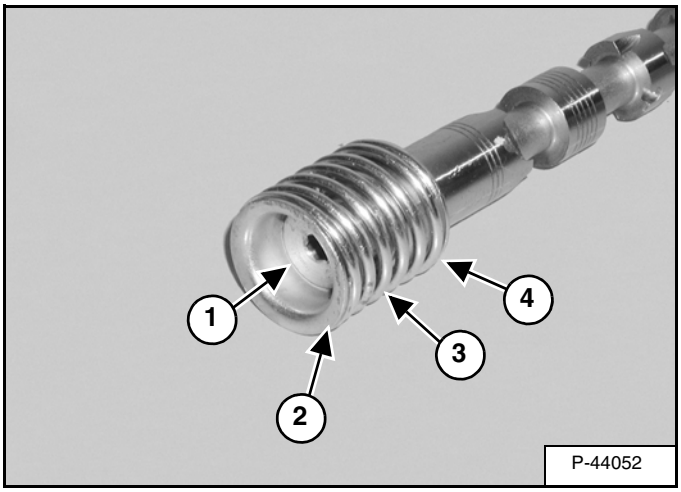
Using the wood blocks clamp the spool (Item 1) **[Figure 20-170-197]** in a vise.

NOTE: Do not use anything other than hardwood blocks to grip the spool, or the spool will be damaged.

Loosen the screw (Item 2) **[Figure 20-170-197]**.

Assembly: Tighten the screw to 7 ft.-lbs. (10 Nm) torque.

Figure 20-170-198



Remove the screw (Item 1), spring retainer (Item 2), spring (Item 3) and spring retainer (Item 4) **[Figure 20-170-198]** from the spool.

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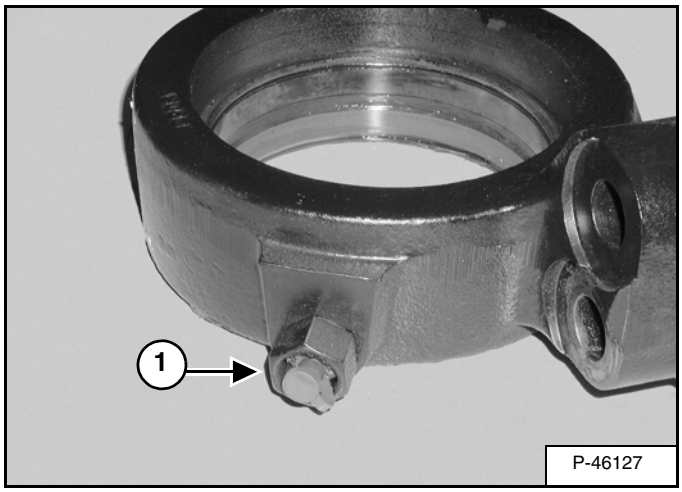
TROUBLESHOOTING 40-10-1
Chart 40-10-1

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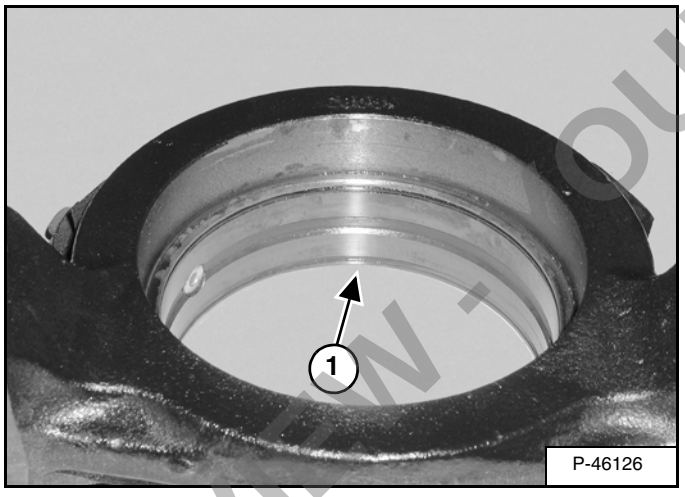
Differential Disassembly (Cont'd)

Figure 40-21-48



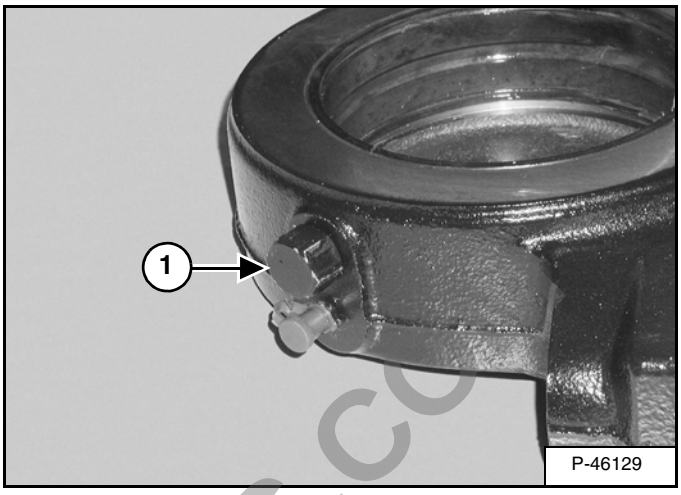
Loosen the retainer (Item 1) **[Figure 40-21-48]** on the front mount bracket.

Figure 40-21-49



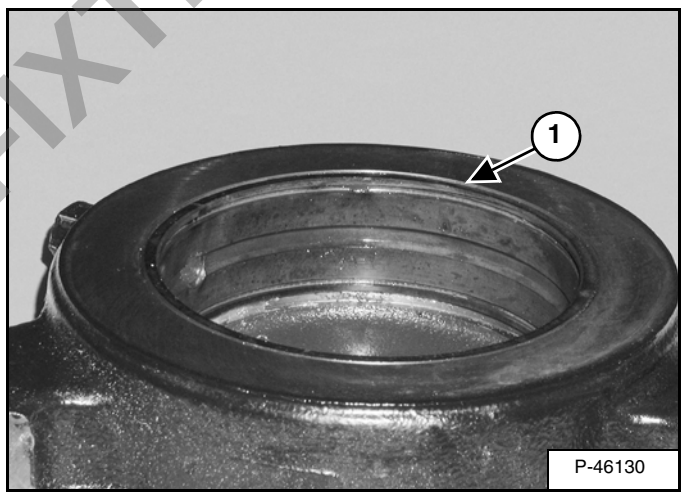
Remove the bushing (Item 1) **[Figure 40-21-49]** from the front mount bracket.

Figure 40-21-50



Loosen the retainer (Item 1) **[Figure 40-21-50]** on the rear mount bracket.

Figure 40-21-51



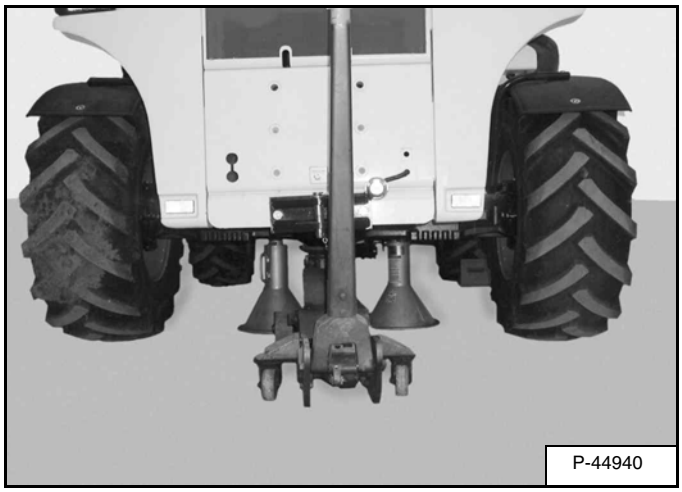
Remove the bushing (Item 1) **[Figure 40-21-51]** from the rear mount bracket.

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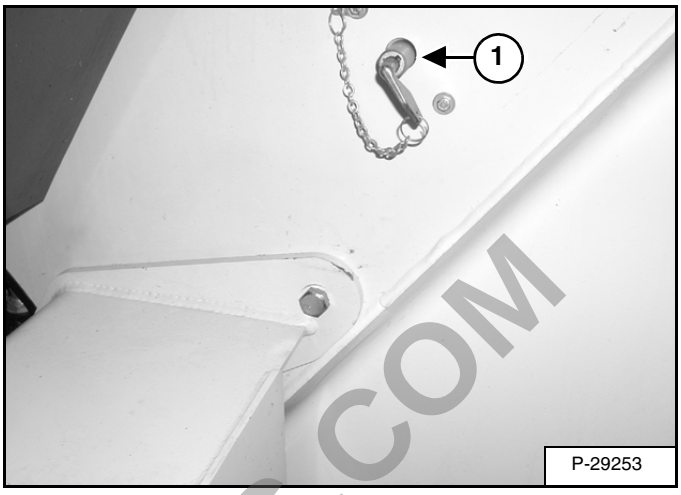
Installation (Cont'd)

Figure 40-90-24



Raise the machine and remove the jackstands. Lower the machine and remove the blocks from the front tire **[Figure 40-90-24]**.

Figure 40-90-25



Rotate the battery disconnect switch (Item 1) **[Figure 40-90-25]** to the left, to restore the power supply from the battery.

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HEATING, VENTILATION, AIR CONDITIONING

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