

SERVICE MANUAL

T4.85 / T4.95 / T4.105 / T4.115

With Hi-Lo Transmission

With Mechanical or Power Shuttle Transmission
Tractor

With Hi-Lo Transmission PIN ZxJT0xxxx and above

With Mechanical or Power Shuttle Transmission PIN ZxJT5xxxx and above

FRONT AXLE SYSTEM - 25

REAR AXLE SYSTEM - 27

POWER TAKE-OFF (PTO) - 31

Part number 47865295

English

March 2015

Replaces part number 47557565



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

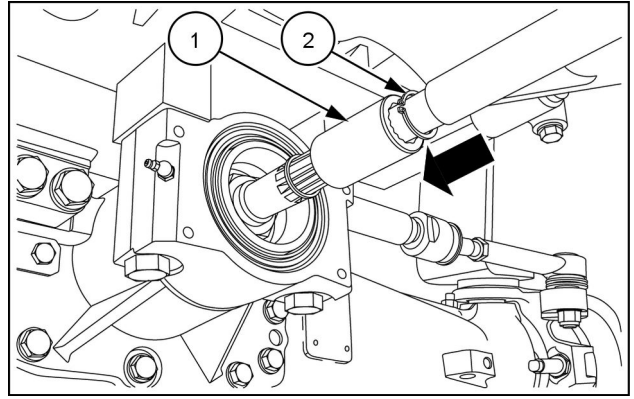
Axle shafts and steering knuckles

Diameter of outer axle shafts in correspondence with bushes	44.975 - 45.000 mm (1.771 - 1.772 in)
Inside diameter of installed bushes	45.100 - 45.175 mm (1.776 - 1.779 in)(*)
Clearance between axle shafts and bushes	0.100 - 0.200 mm (0.004 - 0.008 in)
Interference fit between bushes and respective bores	0.064 - 0.129 mm (0.003 - 0.005 in)
Thickness of steering knuckle bearing adjuster plates	0.100 mm (0.004 in)- 0.150 mm (0.006 in) - 0.200 mm (0.008 in) - 0.250 mm (0.010 in) - 0.300 mm (0.012 in)
Planetary final drives:	
Reduction ratio	12 : 12 + 60 = 1 : 6
Thickness of driven gears thrust rings	0.77 - 0.83 mm (0.03 - 0.03 in)

(*) Value to be obtained without refacing.

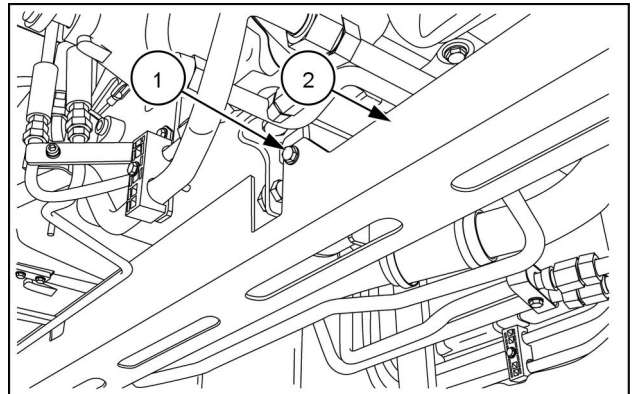
Front axle system - Powered front axle

4. Slide the sleeve (1) along the drive shaft toward the front axle. Then install the circlip (2).



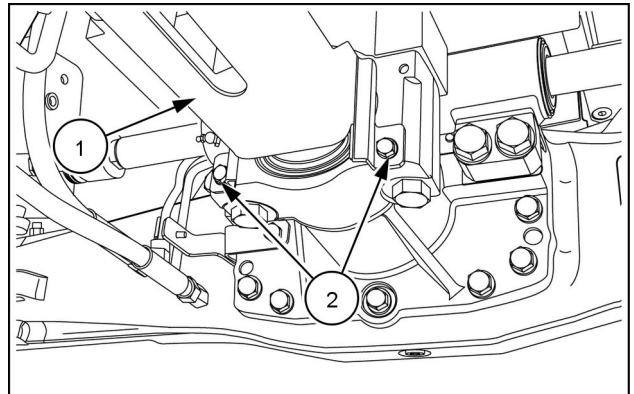
MOIL14TR01688AA 4

5. Use the central screws (1) to secure the guard (2) of the drive shaft to the drive shaft.



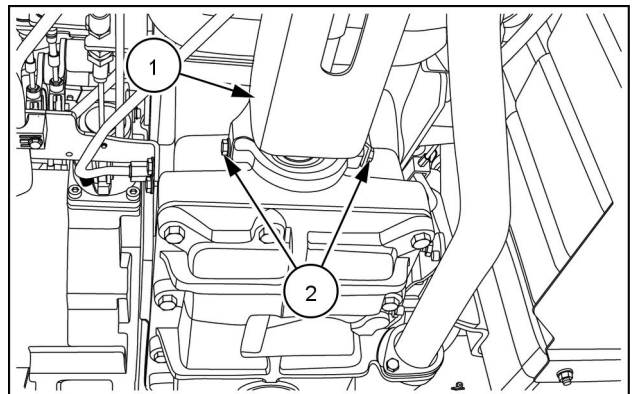
MOIL14TR01687AA 5

6. Tighten the screws (2) that secure the guard (1) of the drive shaft to the front axle.



MOIL14TR01686AA 6

7. Tighten the screws (2) that secure the guard (1) of the drive shaft to the rear axle.



MOIL14TR01685AA 7

Four-Wheel Drive (4WD) axle - Disassemble – Heavy duty axle

⚠ WARNING

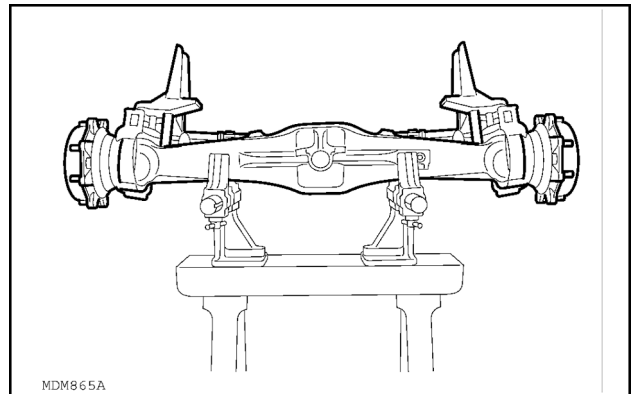
Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

Failure to comply could result in death or serious injury.

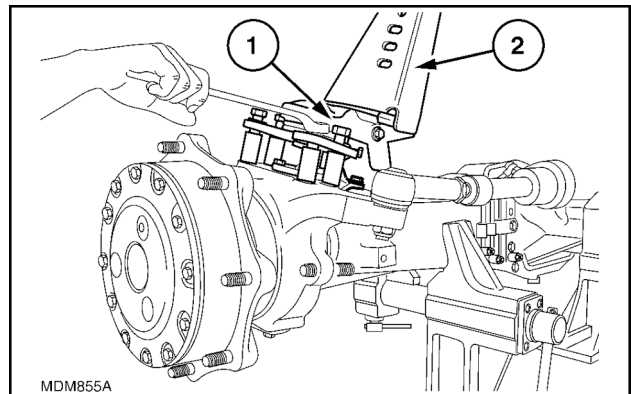
W0208A

NOTE: Front axle overhaul operations must be carried out on the jack stand.



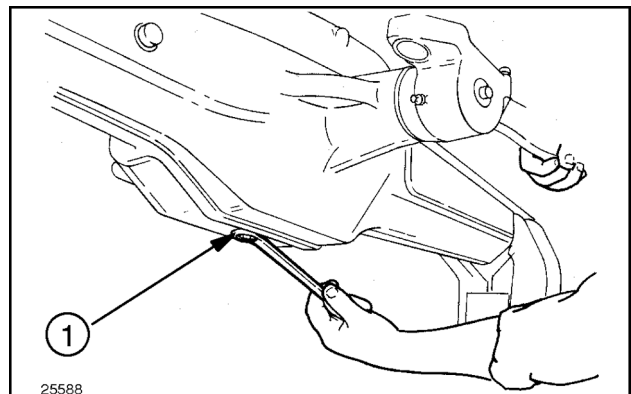
SEZ25CAP1A-13 1

1. Take out the three bolts (1) securing the fender support (2).



SEZ25CAP1A-14 2

2. Remove the plug (1). Drain the oil from the axle case.



SEZ25CAP1A-15 3

Axle support - Remove

⚠ DANGER

Heavy objects!

Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders. Failure to comply will result in death or serious injury.

D0076A

⚠ WARNING

Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

Failure to comply could result in death or serious injury.

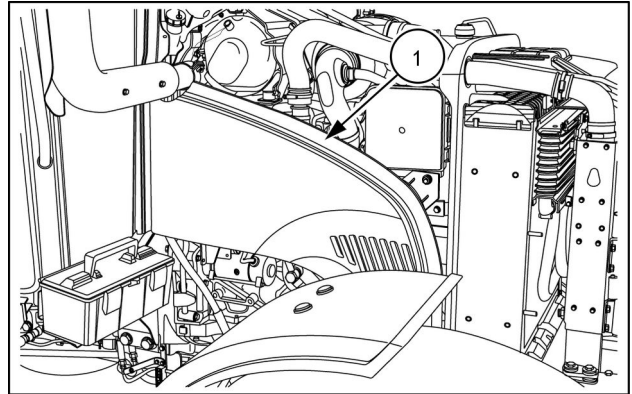
W0208A

Prior operation:

Hood - Remove (90.100).

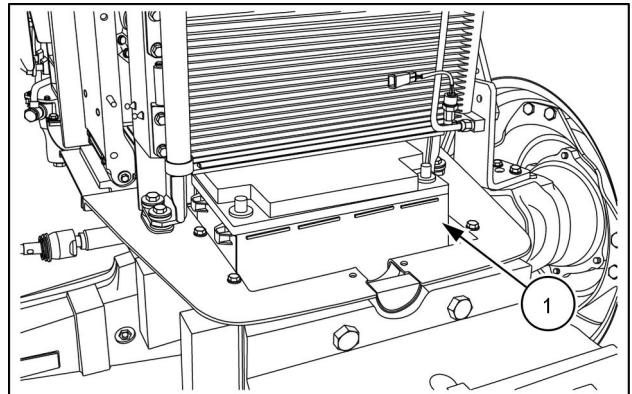
Hood closing support - Remove (90.102).

1. Remove the side panel (1) from both sides.



MOIL14TR01691AA 1

2. Disconnect the battery (1) and remove the battery, as described in **Battery - Remove (55.302)**.



MOIL15TR00085AA 2

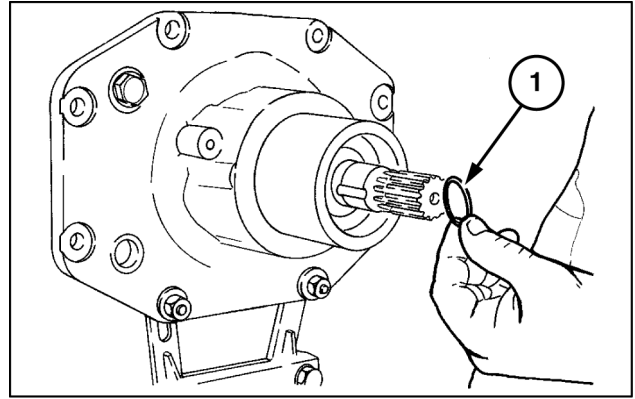
Index

Front axle system - 25

Powered front axle - 100

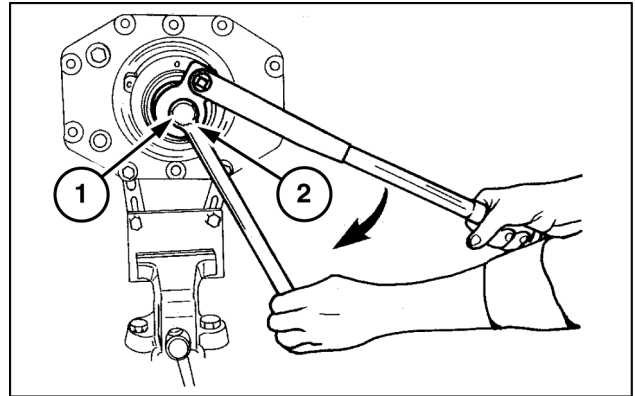
Axle housing - General specification	9
Axle support - Install	43
Axle support - Remove	38
Axle support - Sectional view	13
Axle support - Torque	9
Four-Wheel Drive (4WD) axle - Assemble	27
Four-Wheel Drive (4WD) axle - Assemble – Heavy duty axle	34
Four-Wheel Drive (4WD) axle - Disassemble	20
Four-Wheel Drive (4WD) axle - Disassemble – Heavy duty axle	28
Four-Wheel Drive (4WD) axle - Install	17
Four-Wheel Drive (4WD) axle - Remove	14
Powered front axle - External view	11
Powered front axle - General specification	6
Powered front axle - Special tools	5
Powered front axle - Static description	12
Powered front axle - Torque	3

12. Remove tools **380000248** and **380000249** from the bevel drive housing.
13. Fit the drive pinion complete with: Inner bearing rings, spacer and pre-determined adjustment shims.
14. Fit the O-ring (1) on the bevel pinion shaft.
15. Insert the spacer on the pinion and, after having carefully greased the outer surface, fit the anti-rotation ball.



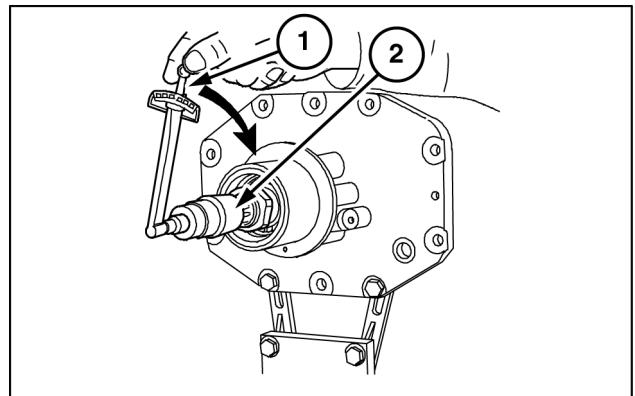
MOLI11U0186AB 5

16. Fit pinion retaining tool **380000257** (2).
17. Insert wrench **380000268** on the adjuster ring nut.
18. Using the torque wrench on the pinion retaining wrench (2), hold the bevel pinion in position and, using a torque wrench (positioned as in the figure) on the ring nut wrench (1), tighten the ring nut (C3) (**Powered front axle - Torque (25.100)**) to a torque of **380 - 420 N·m (280.3 - 309.8 lb ft)**, whilst rotating the pinion shaft to ensure a perfect bearing fit.



MOLI11U0187AB 6

19. With torque wrench 380001633 (1) fitted on pinion retaining wrench **380000257** (2) check that the pinion rolling torque, without oil seal and relative dust seal, is **0.8 - 1.3 N·m (0.590 - 0.959 lb ft)**.
If the rolling torque is less than the prescribed value, fit a thinner adjustment shim. If the torque is greater than the prescribed value, fit a thicker adjustment shim.
20. Unscrew the ring nut and fit the seal and the relative dust seal ring. Tighten the nut to a torque value of **380 - 420 N·m (280.3 - 309.8 lb ft)** while simultaneously rotating the pinion shaft to ensure that the bearings are seated correctly.
21. With torque wrench 380001633 (1) fitted on pinion retaining wrench **380000257** (2) check that the pinion rolling torque, with oil seal and relative dust seal, is **0.6 - 1.5 N·m (0.443 - 1.106 lb ft)**.
Finally, secure the ring nut and fit the circlip on the bevel pinion shaft.



MOLI11U0188AB 7

Adjusting the ring bevel gear bearings and checking the clearance between the teeth of the bevel gear pair

Contents

Front axle system - 25

Final drive hub, steering knuckles, and shafts - 108

FUNCTIONAL DATA

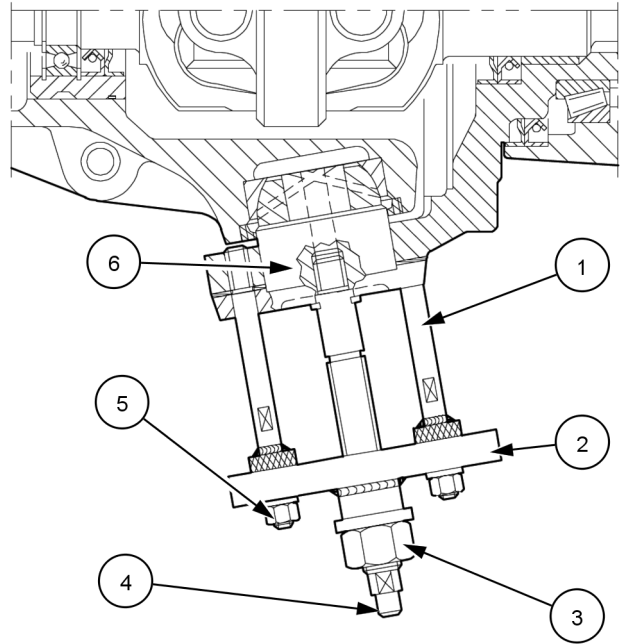
Axle shaft	
Final drive - Sectional view	3

SERVICE

Planetary drive and hub	
Disassemble	5
Assemble	7
Steering knuckle housing and steering articulation hub	
Remove	8
Install	9
Steering knuckle and king pin	
Adjust	10
Replace	12
Wheel hub	
Replace - Oil seal	13

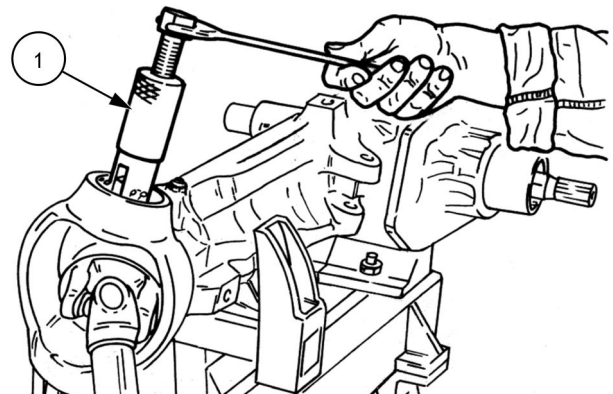
Steering knuckle and king pin - Replace

1. Remove the grease fittings and the retaining bolts of the steering knuckle pins.
2. Fit the bolts (1) of tool **380000265**.
3. Fit the plate (2) of the tool. Fix the plate to the three bolts with nuts (5).
4. Fit the tie rod (4). Screw the tie rod fully into the grease fitting bore on the pin (6).
5. Screw in the nut (3) to drive the pin out of its bore.



MOIL14UTL0164HA 1

6. Use the extractor tool **380000234** (1) to remove the steering knuckle bearings.
7. Use a suitable striker tool to re-install the steering knuckle bearings.

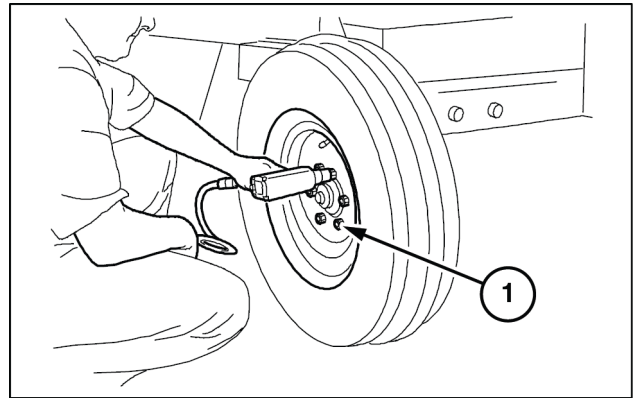


MOIL14UTL0129AA 2

Non-powered front axle - Sectional view

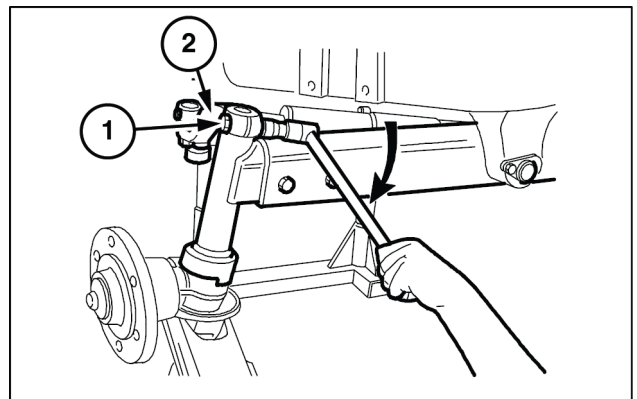
T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	

4. Remove the front wheel fixing bolts (1).



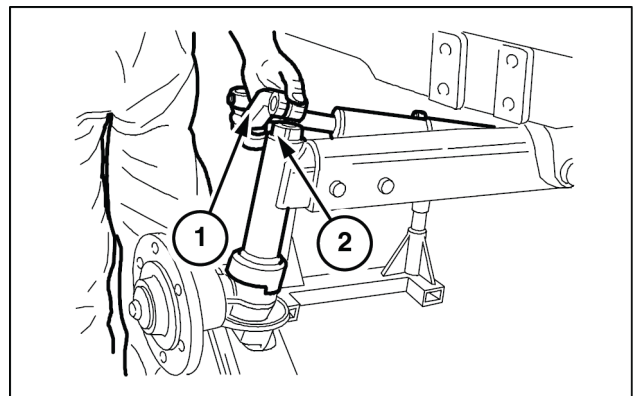
MOLI12U0154AB 3

5. Place a hydraulic jack beneath the stub axle and unscrew the bolt (1) fixing the control lever (2) to the stub axle pin.



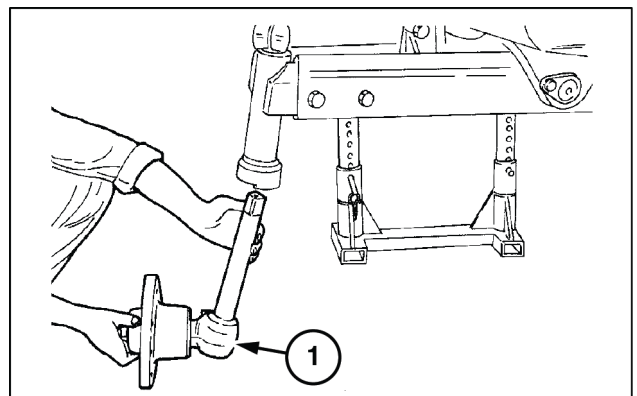
MOLI12U0155AB 4

6. Withdraw the control lever (1) from the stub axle pin (2).



MOLI12U0156AB 5

7. Lower the hydraulic jack and remove the stub axle (1).



MOLI12U0157AB 6



© 2015 CNH Industrial Italia S.p.A.

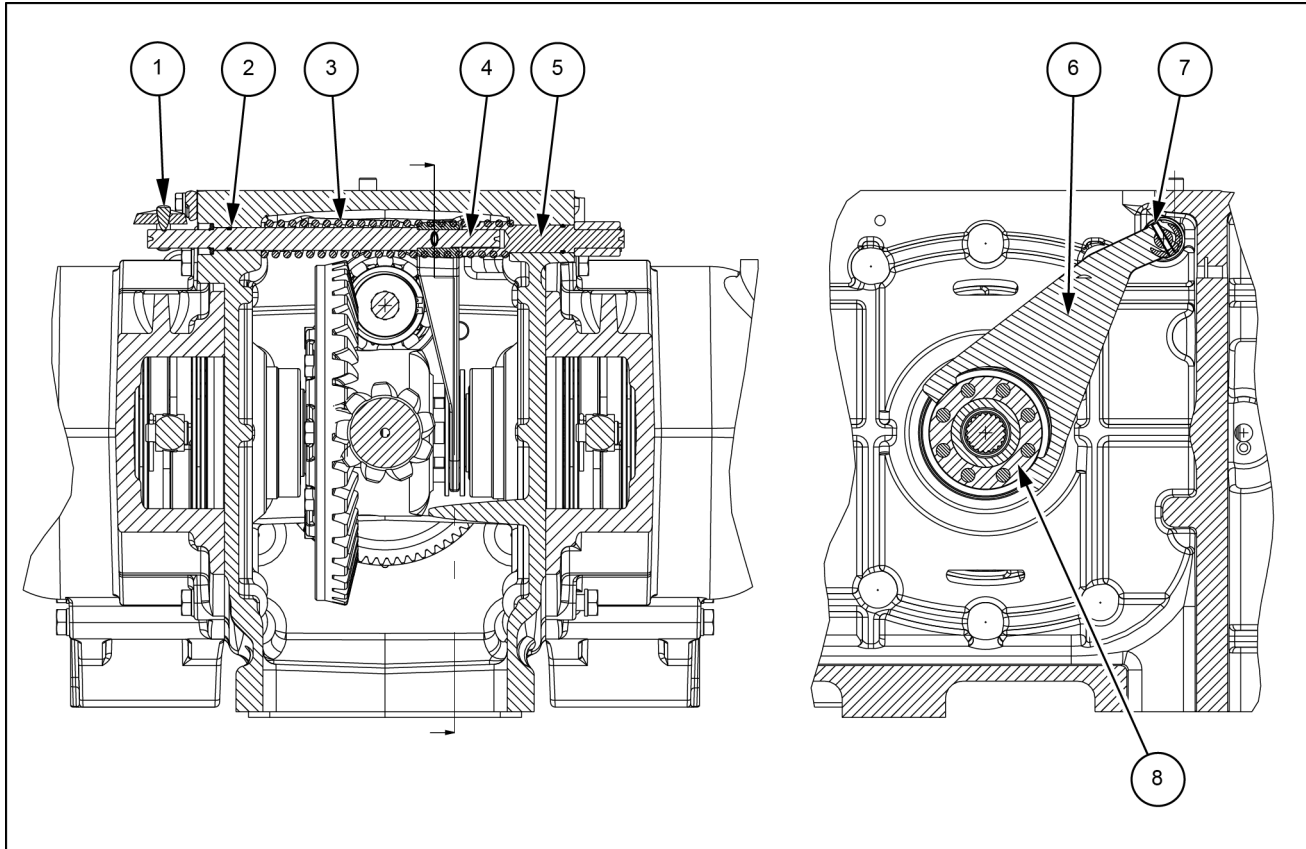
All rights reserved. No part of the text or illustrations of this publication may be reproduced.

NEW HOLLAND policy is one of continuous improvement and the right to change prices, specification or equipment at any time without notices is reserved.

All data given in this publication is subject to production variations. Dimensions and weight are approximate only and the illustrations do not necessarily show products in standard condition. For exact information about any particular product, please consult your NEW HOLLAND Dealer.

Differential lock mechanical control - Sectional view

T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	



MOIL13TR01635FA 1

Sectional view of the mechanically controlled differential lock

- | | |
|---|---|
| 1. Outer control handle for the differential lock | 5. Support for the control rod of the differential lock |
| 2. Seal | 6. Control fork for the differential lock |
| 3. Spring | 7. Fork anti-rotation dowel |
| 4. Control rod of the differential lock | 8. Differential lock sleeve |

Differential - Disassemble

⚠ WARNING

Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

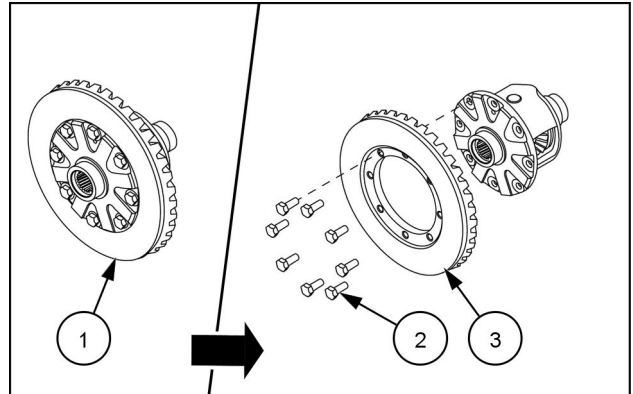
Failure to comply could result in death or serious injury.

W0208A

Prior operation:

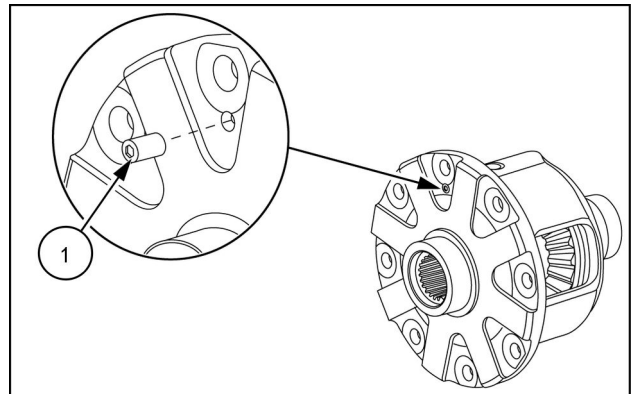
Differential - Remove (27.106).

1. Position the differential (1) together with bevel ring gear on the workbench.
2. Loosen the retaining screws (2). Remove the bevel ring gear (3) from the differential housing.



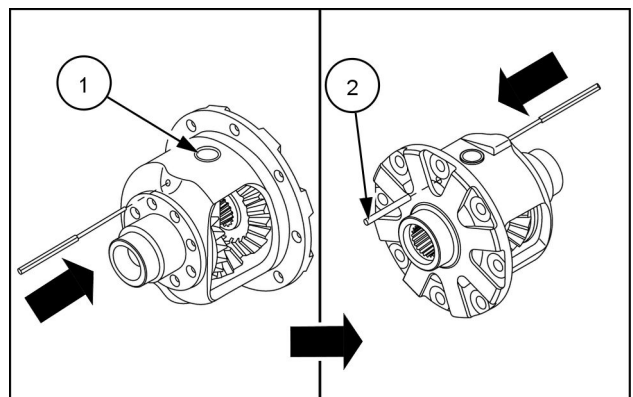
MOIL14TR01725AA 1

3. Loosen and remove the dowel (2) to release the locking pin of the central spindle (1).



MOIL14TR01724AB 2

4. Use a suitable drift to remove the pin (2) that locks the central spindle (1).



MOIL14TR01726AA 3

Differential lock - Remove

T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	

⚠ WARNING

Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

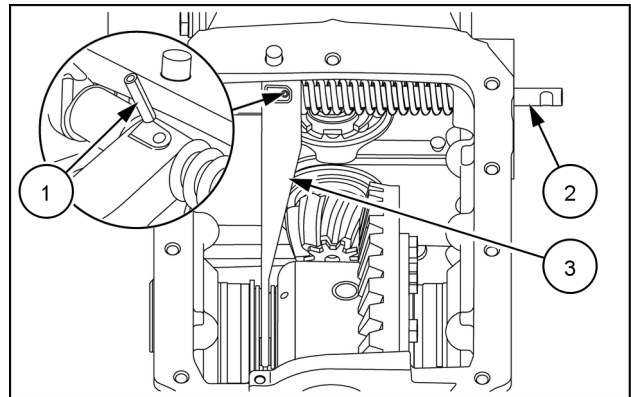
Failure to comply could result in death or serious injury.

W0208A

Prior operation:

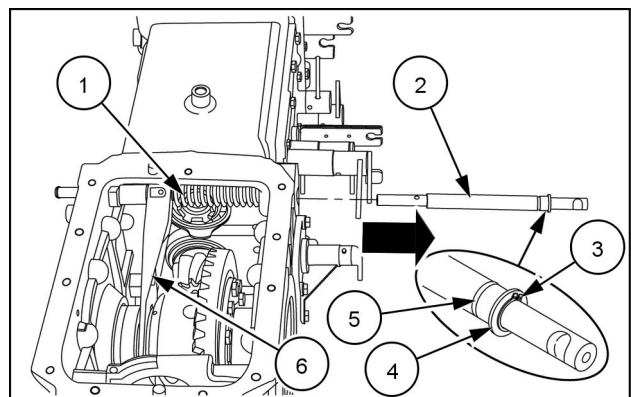
Differential lock mechanical control - Remove (27.106).

1. Remove the spring pin (1) that secures the fork (3) to the control rod (2) of the differential lock.



MOIL14TR01669AA 1

2. Extract the control rod (2) of the differential lock together with seal (5), spacer (4), and locking ring (3). At the same time, retrieve the spring (1) and the fork (6).



MOIL14TR01668AA 2

Differential lock mechanical control - Adjust

T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	

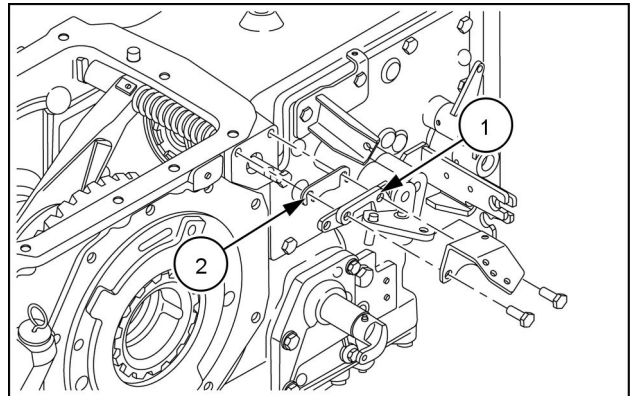
CAUTION

Pinch hazard!

Always use suitable tools to align mating parts. DO NOT use your hand or fingers. Failure to comply could result in minor or moderate injury.

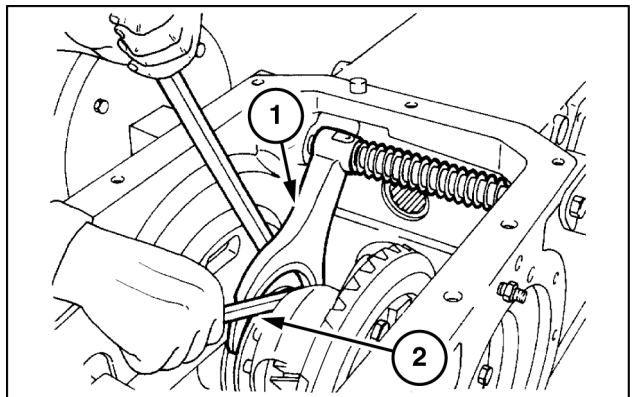
C0044A

1. On the transmission case, install the control lever assembly (1) of the differential lock without the adjustment shim (2).



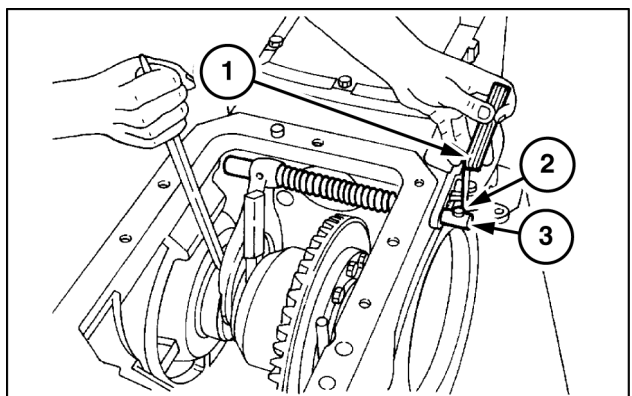
MOIL14TR01432AA 1

2. Insert the gauge (2) with the **2.52 - 2.5 mm (0.10 - 0.10 in)** shim between the sliding sleeve and the differential housing until the gauge makes contact with the sliding surfaces of the sleeve on the housing.
3. Use a crowbar to adjust the fork (1) to the position of the feeler gauge in order to bring the sliding sleeve into contact with the gauge and the differential housing.



MOLI11U0223AB 2

4. Use a feeler gauge (1) to measure the distance between the control pin (2) and the relevant seat on the fork control rod (3).



MOLI11U0224AB 3

Index

Rear axle system - 27

Planetary and final drives - 120

Driving wheel shaft - Adjust - Axial clearance of the satellite gear supports	8
Driving wheel shaft - Install	6
Driving wheel shaft - Remove	4
Planetary and final drives - Sectional view	3
Planetary and final drives - Troubleshooting	9

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

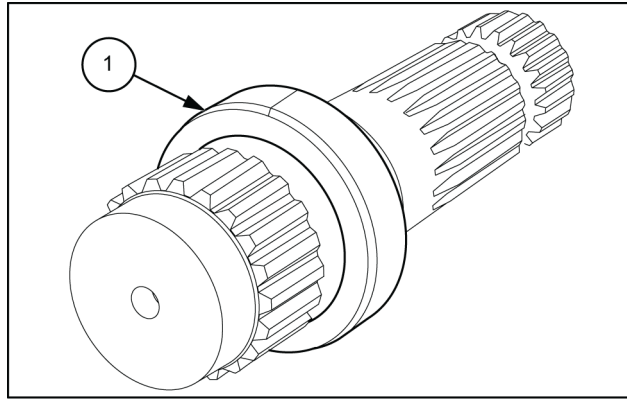
CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

Contents

Power Take-Off (PTO) - 31

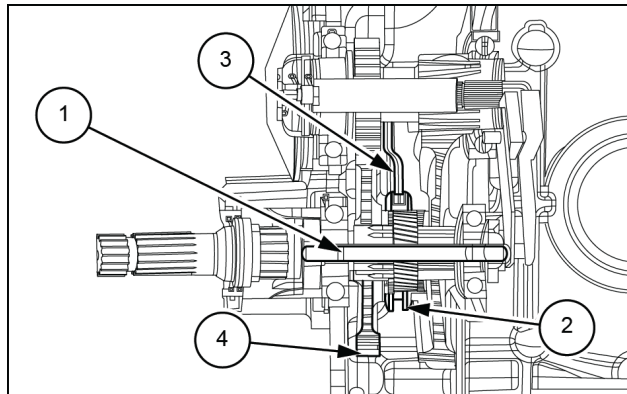
[31.101] Rear mechanical control	31.1
[31.104] Rear electro-hydraulic control	31.2
[31.110] One-speed rear Power Take-Off (PTO)	31.3
[31.114] Two-speed rear Power Take-Off (PTO)	31.4
[31.146] Front Power Take-Off (PTO)	31.5

4. With the **3/8 in** output shaft (21 grooves) **(1)** for **1000 RPM** and without a pin.



MOIL13TR01477AB 4

5. When you fit this output shaft, the central pin **(1)** of the driven shaft of the PTO gearbox does not move. The speed selection sleeve **(2)** is left by the fork **(3)** on the rear of the gearbox, which sets the speed to **1000 RPM (4)**.



MOIL14UTL0075AA 5

Contents

Power Take-Off (PTO) - 31

Rear electro-hydraulic control - 104

TECHNICAL DATA

Rear electro-hydraulic control	
Torque (*)	3

FUNCTIONAL DATA

Rear electro-hydraulic control	
Static description (*)	5
Dynamic description - PTO engagement - 540 rpm, 540/540E rpm, 540/1000 rpm (*)	6
Sectional view (*)	8
Dynamic description - PTO speed change (*)	10

SERVICE

Power Take-Off (PTO) speed rate selector	
Adjust - PTO 540/540E rpm (*)	12
Power Take-Off (PTO) gradual engagement valve	
Remove (*)	13
Install (*)	15

DIAGNOSTIC

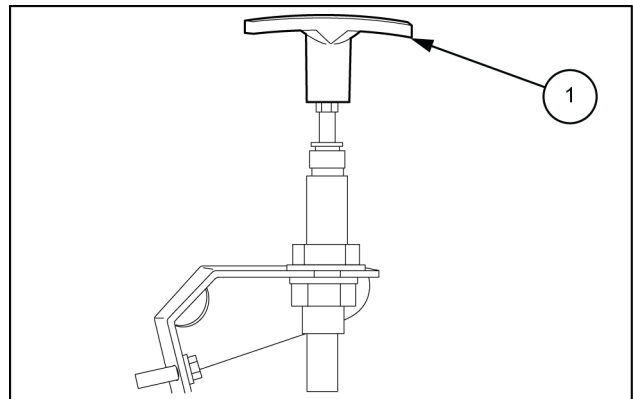
Rear electro-hydraulic control	
Troubleshooting (*)	17

(*) See content for specific models

Power Take-Off (PTO) speed rate selector - Adjust - PTO 540/540E rpm

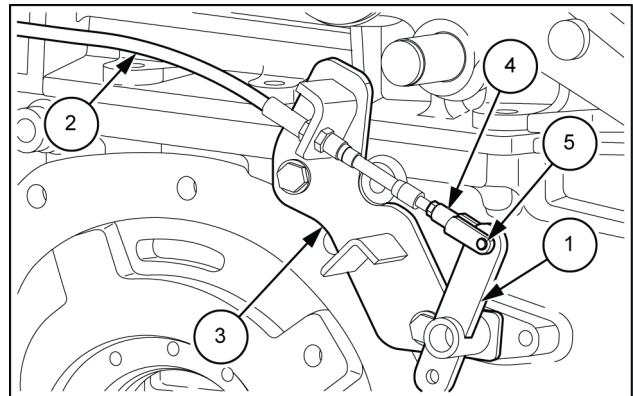
T4.105 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.105 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle

1. Keep the knob (1) pressed fully down.



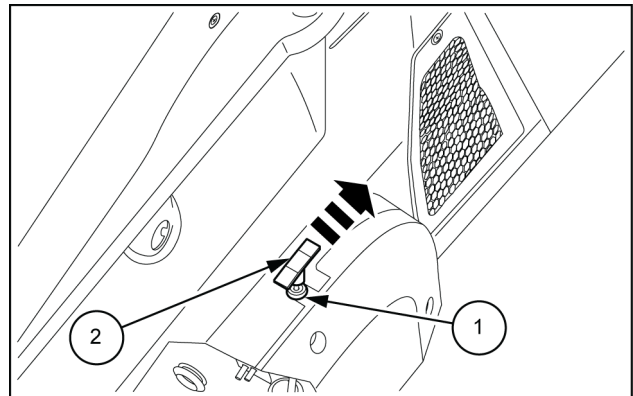
MOIL13TR01479AB 1

2. Pull the lever (1) of the gearbox fully backward.
3. Secure the cable (2) to the reaction bracket (3).
4. Screw the fork (4) onto the end of the threaded cable until you can insert the pin (5).



MOIL13TR01480AB 2

5. Loosen the locking nut (1) of the knob (2). Orient the knob as indicated in the image below. Tighten the locking nut.



MOIL13TR01481AB 3

Power Take-Off (PTO) clutch - General specification

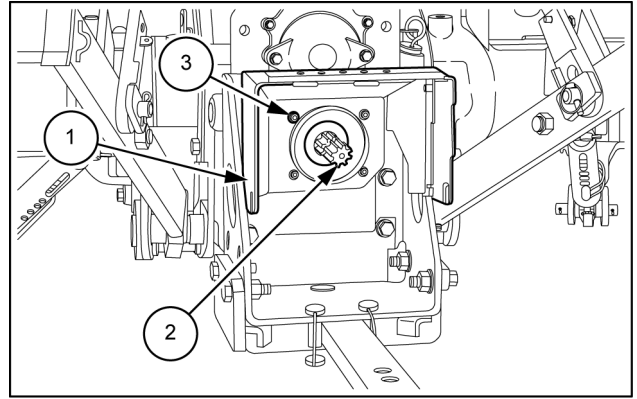
T4.105 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle

Main Data

Number of clutch driving plates	No.5
Thickness of driving plates	1.950 - 2.050 mm (0.077 - 0.081 in) (*)
Driving plate material	N266420
Number of clutch driven plates	No.5
Driven plate thickness	2.250 - 2.350 mm (0.089 - 0.093 in) (*)
Driven plate thickness	2.350 - 2.450 mm (0.093 - 0.096 in) (*)
Driven plate material	Turn the crank handle counter-clockwise until it locks up in the rearward position as shown
Reaction plate thickness	8.500 mm (0.335 in)
Thickness of clutch assembly under a load of 1600.0 N (359.7 lb)	21.800 - 22.000 mm (0.858 - 0.866 in)
Hydraulic control valve	Mounted on the outer left-hand side of the clutch casing
PTO clutch working pressure	17.5 - 18.5 Kg/cm² (248.9 - 263.1 psi)
Accumulator spring (4) see Power Take-Off (PTO) clutch - Sectional view (31.114))	
Spring free length	122.000 mm (4.803 in)
Spring length under load of 34.9 kg (76.9 lb)	100.000 mm (3.937 in)
Spring length under load of 74.2 kg (163.6 lb)	75.000 mm (2.953 in)

NOTE: (*) Value to be obtained by varying the thickness of the driving plates.

3. Position the rear guard (1) of the splined output shaft (2) tightening the four retaining bolts (3).



MOIL13TR01653AB 3

One-speed rear Power Take-Off (PTO) - Remove - Hydraulic PTO - 540 rpm

T4.105 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.105 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle

⚠ WARNING

Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

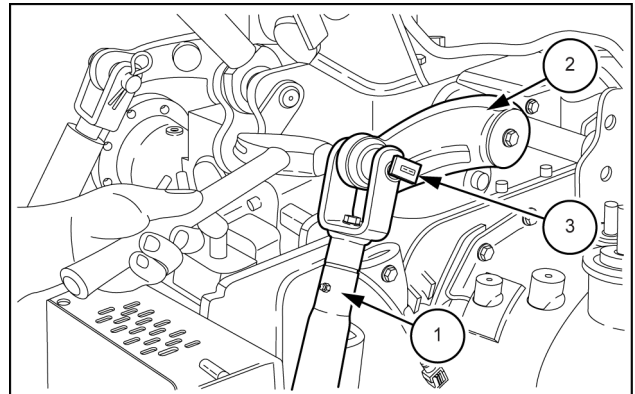
Failure to comply could result in death or serious injury.

W0208A

Prior operation:

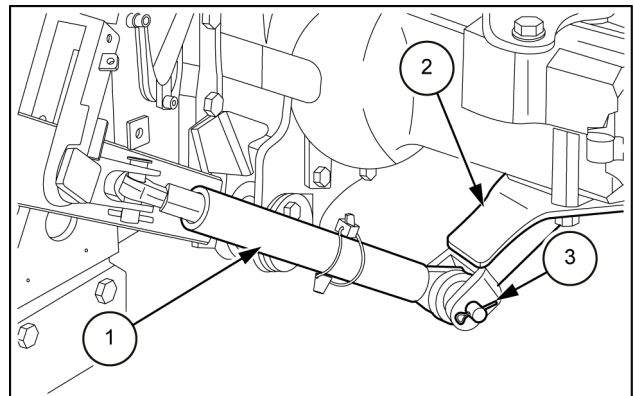
Cab - Remove (90.150) Operator platform less cab - Remove (90.110)

1. Remove the vertical tie rods (1) from the arms (2) of the lift, extracting the pins (3) .



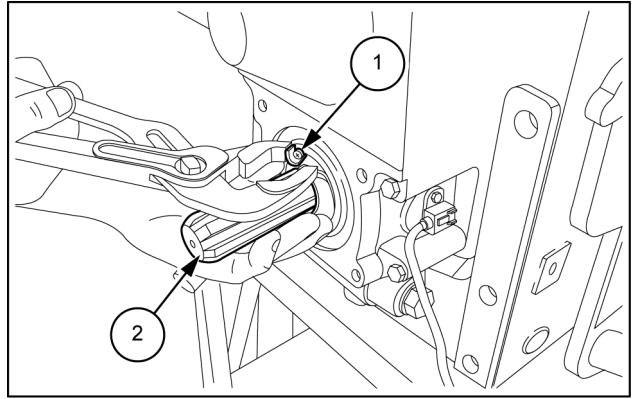
MOIL13TR01529AB 1

2. Detach the stabilisers (1) from the brackets (2) on the final drives, extracting the pins (3) .



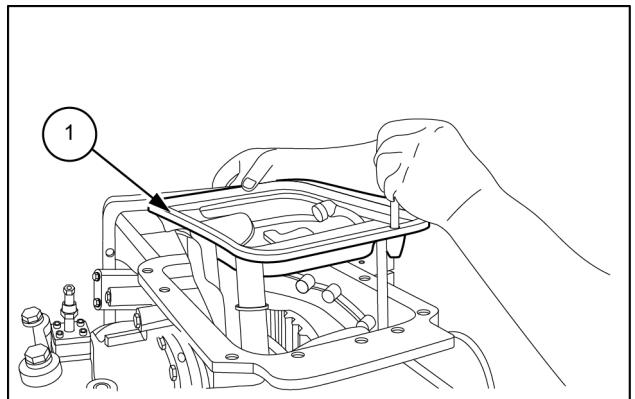
MOIL13TR01530AB 2

15. Position the circlip (1) of the splined output shaft (2) .



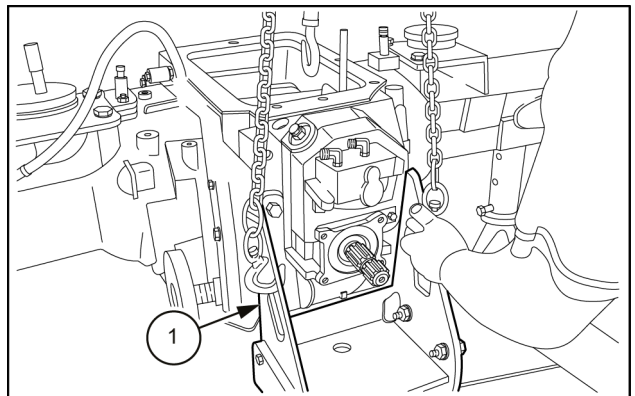
MOIL13TR01562AB 15

16. Position the lift reservoir (1) and tighten the respective bolts.



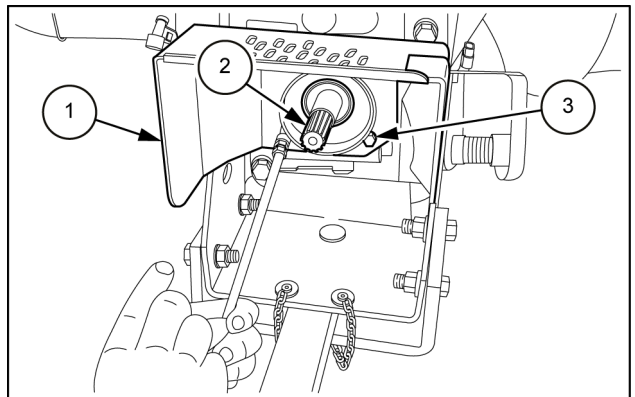
MOIL13TR01915AA 16

17. Connect the tow hook (1) to the hoist, position it and secure it with the respective retaining bolts.



MOIL13TR01901AA 17

18. Position the rear guard (1) of the splined output shaft (2) tightening the four retaining bolts (3).



MOIL13TR01535AB 18

Power Take-Off (PTO) clutch - Install

T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.95 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle

⚠ WARNING

Avoid injury!

Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.

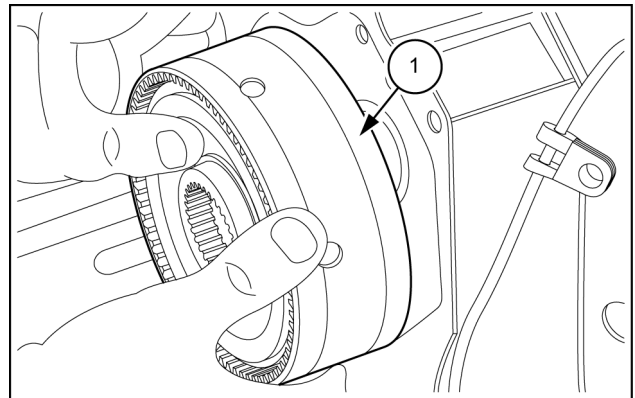
Failure to comply could result in death or serious injury.

W0208A

Prior operation:

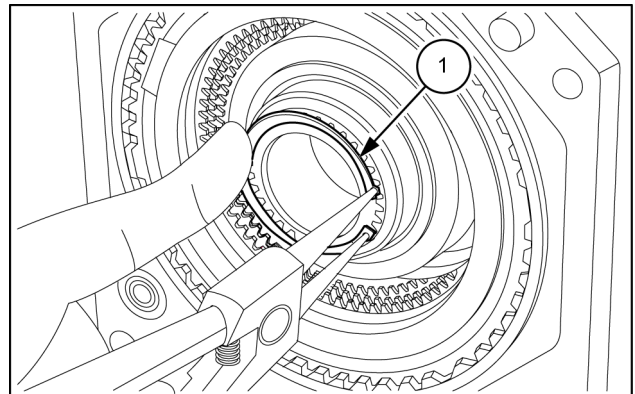
Power Take-Off (PTO) clutch - Assemble (31.110)

1. Install the PTO clutch (1) in its housing.



MOIL13TR01670AB 1

2. Lock the clutch with the circlip (1).



MOIL13TR01671AB 2

Two-speed rear Power Take-Off (PTO) - General specification - Mechanical PTO - 540/540E rpm

T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical

Type	Independent of tractor ground speed
Engagement and control	Mechanical or hydraulic control by means of a hand lever located to the right of the operator
Speed Selection	By means of hand lever located to the left of the driver
Direction of rotation (from tractor rear)	Clockwise
Engine speed with PTO at 540 RPM	1957 RPM
Engine speed with PTO at 540E RPM	1535 RPM
PTO revolution speed with engine at max. power 2300 RPM: For 540 RPM PTO For 540E RPM PTO	634 RPM 809 RPM
Diameter of splined output shaft	3/8 in (6 splines)

Two-speed rear Power Take-Off (PTO) - General specification - Mechanical PTO - 540/1000 rpm

T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.85 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.85 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.95 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical
T4.95 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Mechanical

Type	Independent with respect to tractor speed
Engagement and control	Mechanical or hydraulic control by means of a hand lever located to the right of the operator
Direction of rotation (from tractor rear)	Clockwise
Engine speed with PTO at 540 RPM:	1957 RPM
Engine speed with PTO at 1000 RPM:	2125 RPM
PTO revolution speed with engine at max. power 2300 RPM: For 540 RPM PTO For 1000 RPM PTO	634 RPM 1082 RPM
Diameter of splined output shaft: For 540 RPM PTO For 1000 RPM PTO	3/8 in (6 splines) 3/8 in (21 splines)

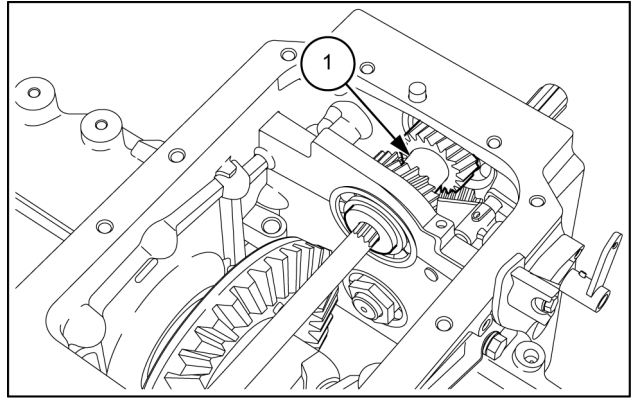
Two-speed rear Power Take-Off (PTO) - General specification - Hydraulic PTO - 540/540E rpm

T4.105 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.105 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.105 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 less cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 less cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.115 with cab, with hi-lo transmission [ZxJT0xxxx]	
T4.115 with cab, with mechanical or power shuttle transmission [ZxJT5xxxx]	Transmission - Power Shuttle
T4.85 less cab, with hi-lo transmission [ZxJT0xxxx]	

1. PTO front driving shaft
2. Sleeve
3. Bearing retaining circlip
4. Rear drive shaft bearing
5. PTO transmission shaft with front gear **540 RPM** and rear gear **1000 RPM**
6. PTO rear driving shaft
7. PTO engagement clutch
8. Clutch cover
9. Splined output shaft
10. Splined output shaft protection
11. Seal
12. Driven shaft
13. Driven Gear **1000 RPM**
14. Speed selector sleeve
15. Fixed portion, keyed onto the shaft and sleeve
16. Driven Gear **540 RPM**
17. Driven shaft retaining ring nut
18. Fork sliding rod
19. Speed selector fork
20. Roll Pin
21. Spring

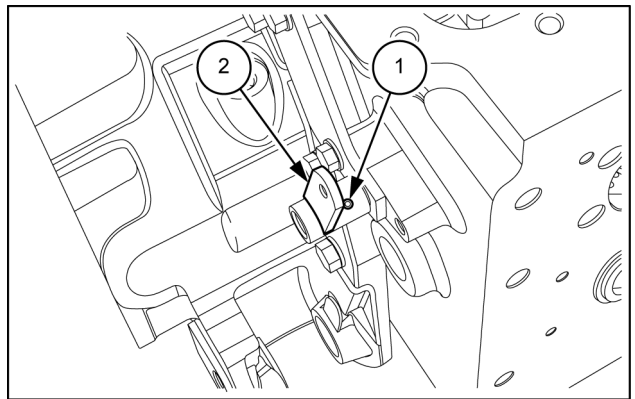
NOTE: When mounting apply sealing compound to surfaces "X".

11. Remove the PTO drive shaft (1) with the respective bearings.



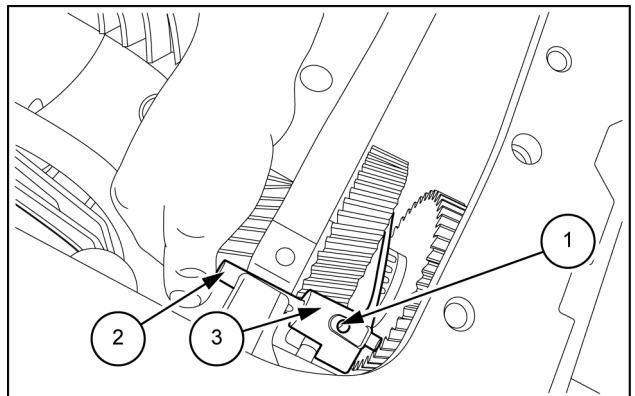
MOIL13TR01649AB 11

12. Extract the roll pin (1) and remove the speed selector lever (2).



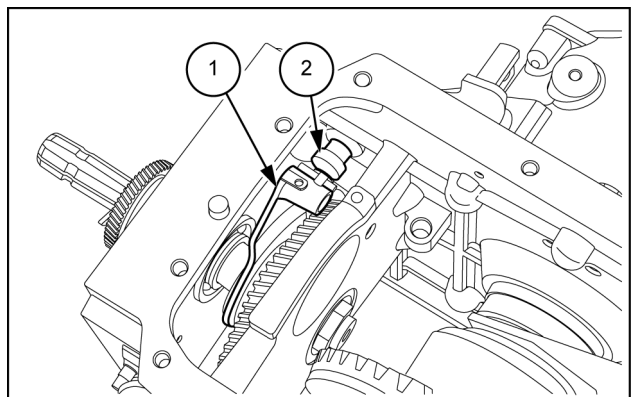
MOIL13TR01546AB 12

13. Extract the roll pin (1) and remove the sliding rod (2) of the speed selection fork (3), retrieving the spring and ball.



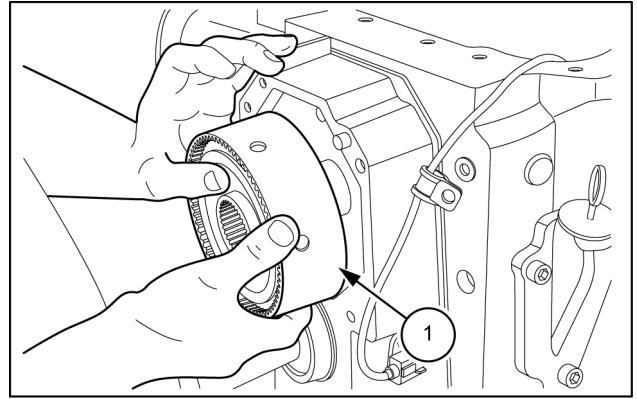
MOIL13TR01547AB 13

14. Remove the fork (1) and the shaft of the speed selection lever (2).



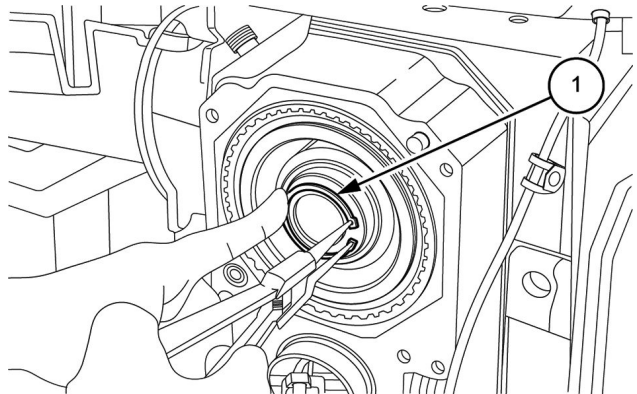
MOIL13TR01548AB 14

12. Install the PTO clutch (1) in its housing.



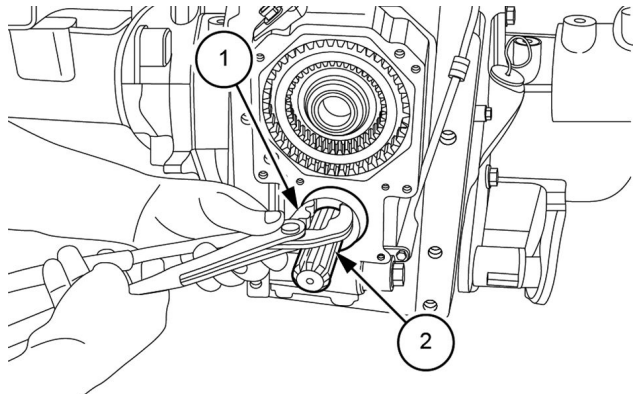
MOIL13TR01556AB 11

13. Lock the clutch with the snap ring (1).



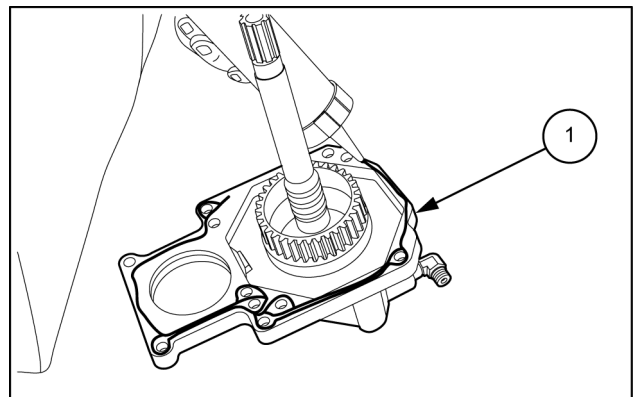
MOIL14UTL0069AA 12

14. Remove the snap ring (1) from the splined terminal (2) to position the PTO cover, without damaging the seal (See (11) Two-speed rear Power Take-Off (PTO) - Sectional view (31.114)).



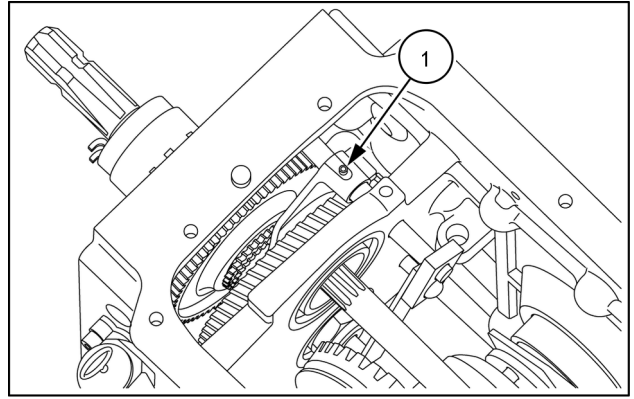
MOIL14UTL0070AA 13

15. Carefully clean the contact surfaces between the PTO cover and the clutch cover (1) and apply the sealing compound, see **Basic instructions** ().



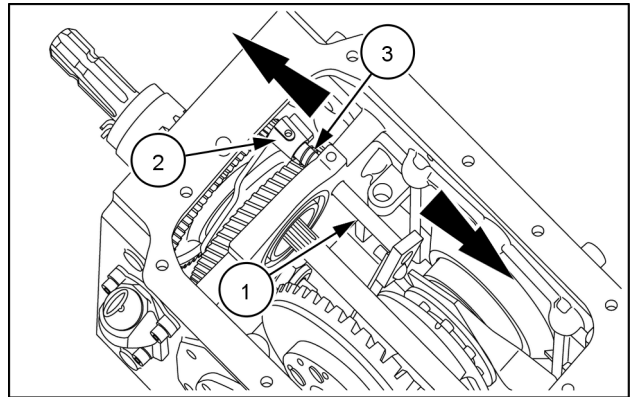
MOIL13TR01659AB 14

19. Extract the roll pin (1) and remove the speed selector lever (2).



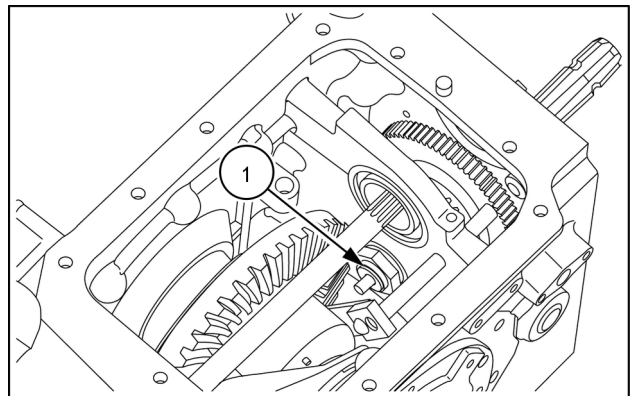
MOIL14UTL0053AA 19

20. Move forward the tie rod (1) of the speed fork (2). Remove the fork, retrieving the spring (3).



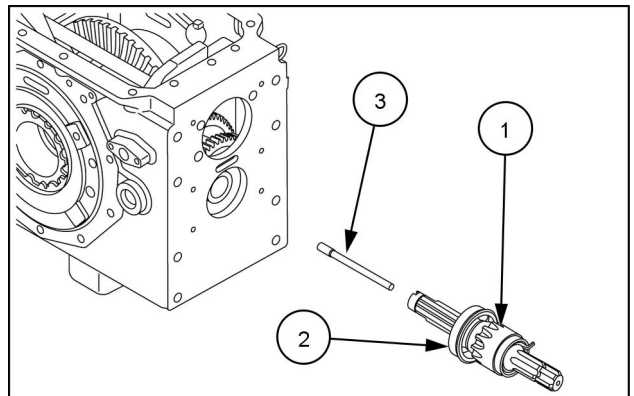
MOIL14UTL0054AA 20

21. Straighten the stake mark on the tightening nut (1). Remove the tightening nut.



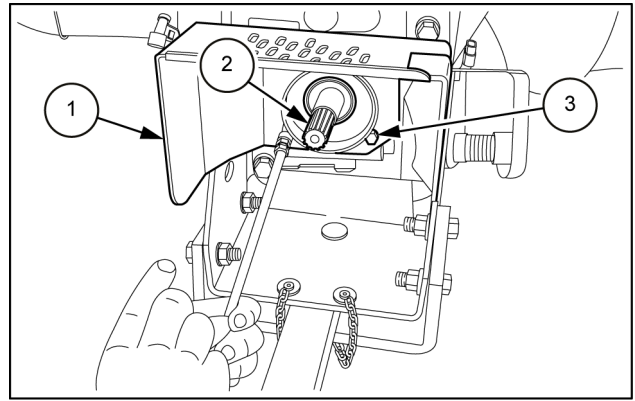
MOIL14UTL0055AA 21

22. Extract the driven shaft (1) with the respective bearings (2), the splined output shaft, and the pin (3).



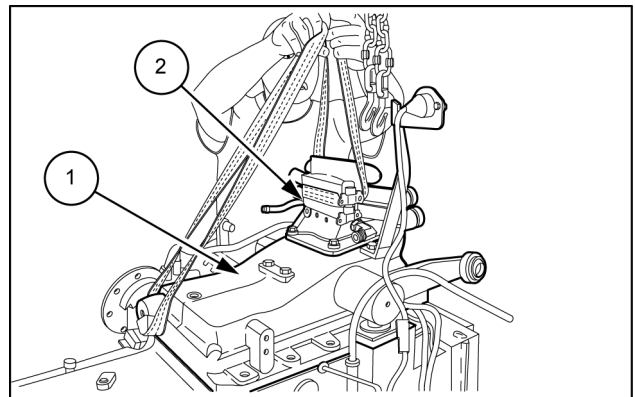
MOIL14UTL0056AA 22

12. Position the rear guard (1) of the splined output shaft (2) tightening the four retaining bolts (3).



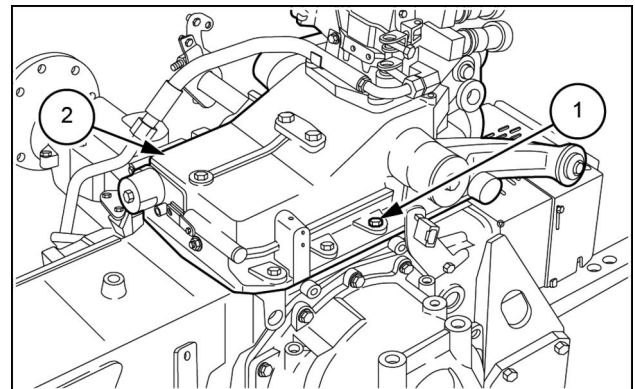
MOIL13TR01535AB 11

13. Apply the sealing compound (see **Basic instructions** ()). Use a hoist to position the lift (1) complete with remote valves (2). Connect the pipes.



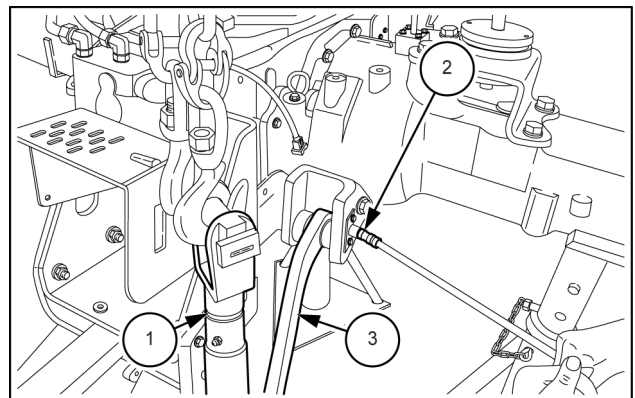
MOIL13TR01645AB 12

14. Tighten the retaining bolts (1) of the lift (2).



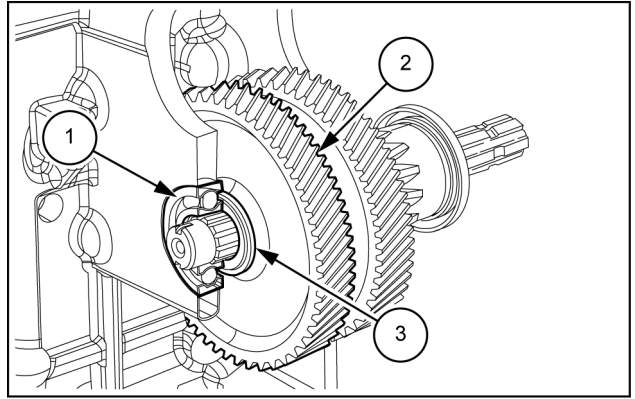
MOIL14UTL0062AA 13

15. Connect the tie rods (1) to the lifting hook with chain, connected to the hoist. Attach the lower arms (3) of the lift. Insert the pins and tighten the respective retaining bolts (2).



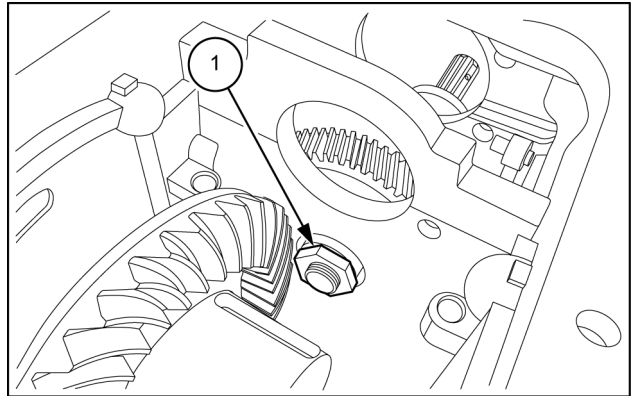
MOIL13TR01531AB 14

3. Between the bearing (1) and the gear **540 RPM (2)**, place the thrust spacer (3).



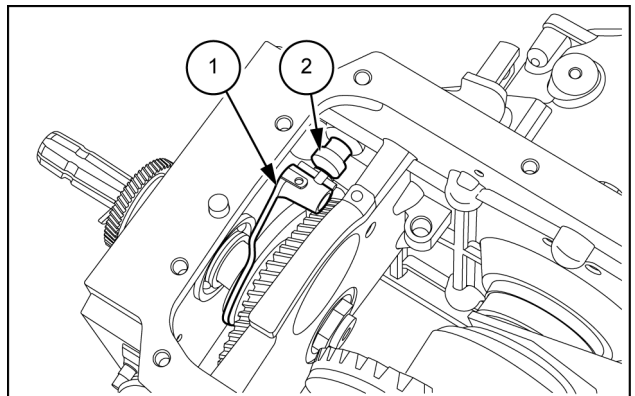
MOIL13TR01552AB 3

4. Screw the tightening nut (1) on the output shaft with a tightening torque as indicated in (**Rear electro-hydraulic control - Torque (31.104)**) and make a stake mark.



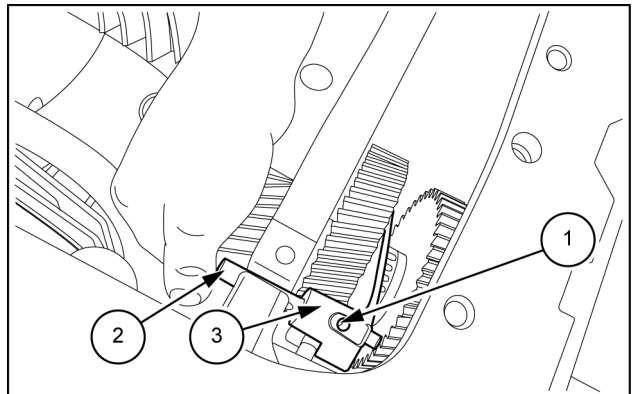
MOIL13TR01549AB 4

5. Position the shaft of the speed selection lever (2) and the fork (1).



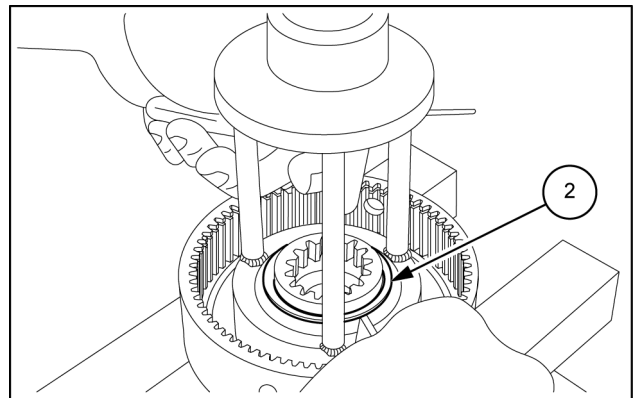
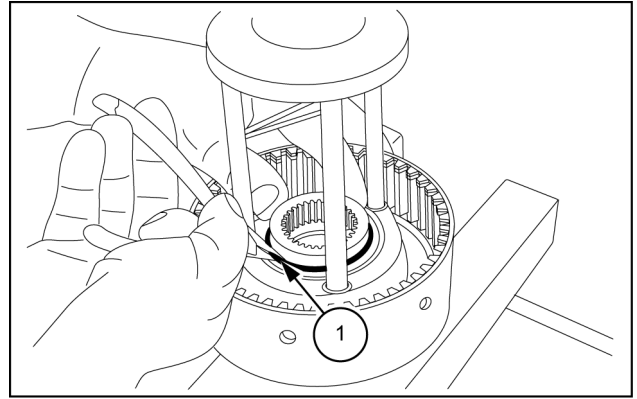
MOIL13TR01548AB 5

6. Insert the sliding rod (2) of the range fork (3), the roll pin (1), the spring and the ball.

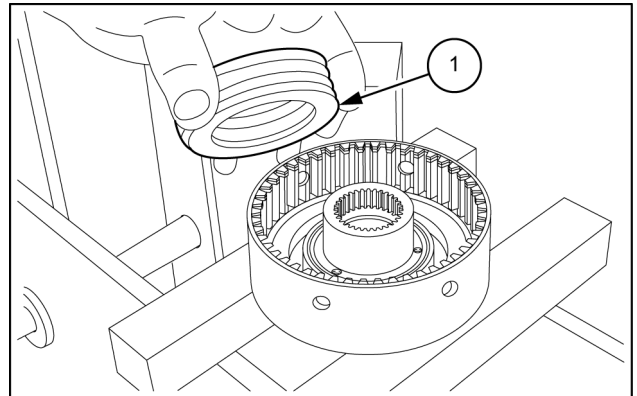


MOIL13TR01547AB 6

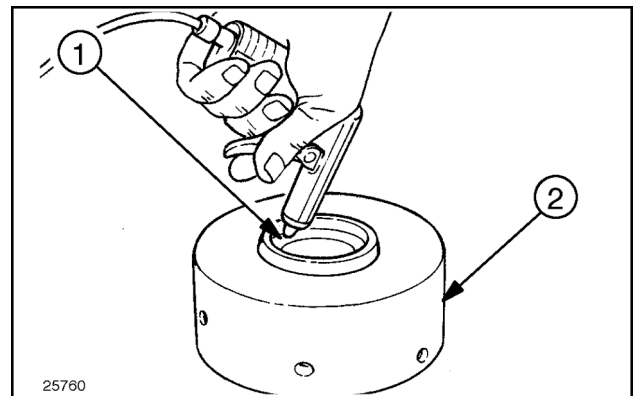
3. Press the Belleville springs with a press tool. Remove the locking circlip (1) and the retaining ring (2).



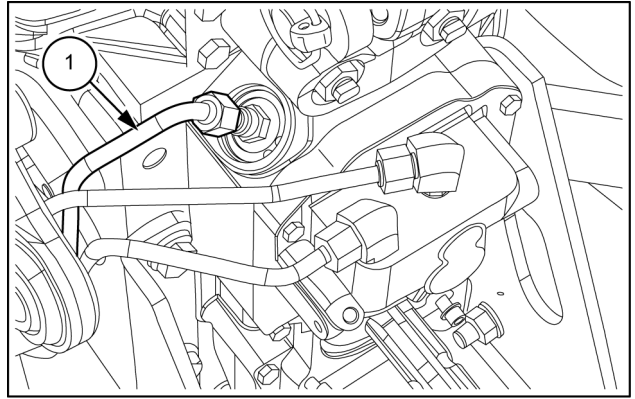
4. Retrieve the Belleville springs (1).



5. Using a compressed air gun, expel the piston (1) from the clutch case (2).



3. Attach the PTO brake coupling/decoupling tubing (1).



MOIL13TR01675AB 3

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL