SERVICE MANUAL

T6.110 / T6.120 / T6.130

Tractor

Part number 47705279
English
September 2014

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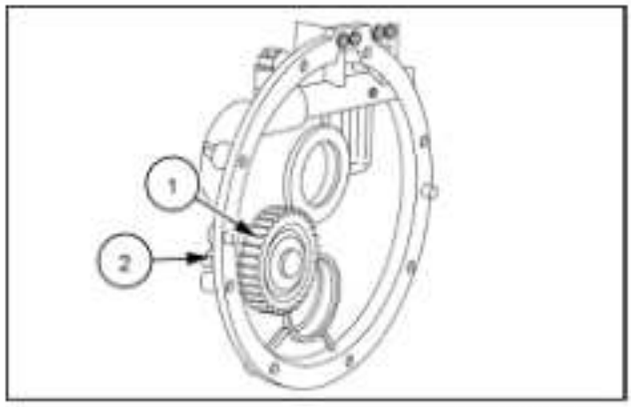
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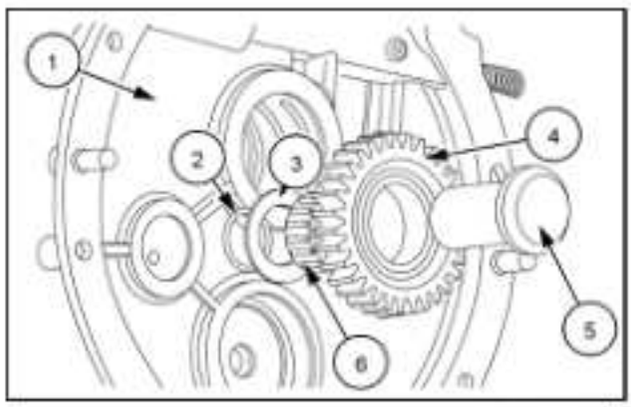
17. Remove the retaining pin **(2)**, and then remove the reverse idler gear **(1)**.

NOTE: *The input shaft is removed for clarity.*



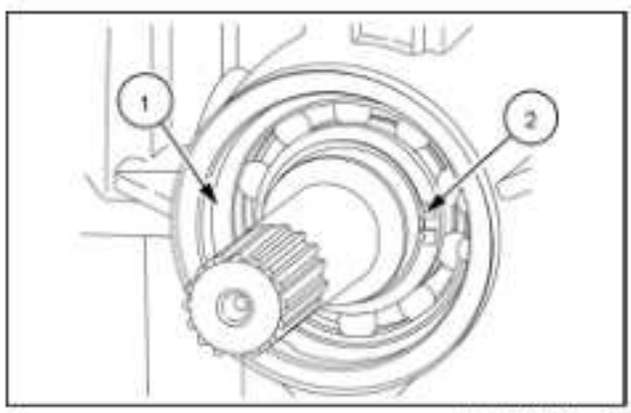
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18. Remove the reverse idler shaft **(5)**, reverse idler gear **(4)**, needle bearing **(6)**, thrust washer **(3)**, and the O-ring **(2)** from the clutch support assembly **(1)**.



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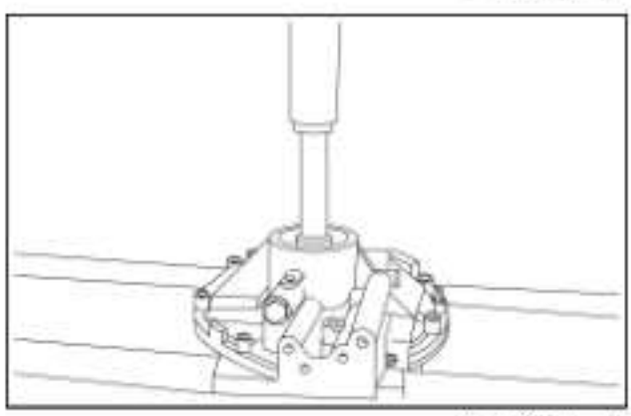
19. Turn the cover over and remove the circlips **(1)** and **(2)** from the input shaft.



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20. Place the assembly into a suitable press and press the shaft out of the bearing.

NOTICE: *Ensure that the shaft is supported below the cover assembly to prevent the shaft from falling and causing possible damage to the shaft or injury to the person operating the press.*



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Front ballast - Remove

⚠WARNING

Crushing hazard!
Counterweights are very heavy. Always use certified lifting equipment to remove and install the counterweights. Make sure the hardware securing the counterweight(s) to the machine is installed correctly and the clamp bolts are tightened fully before operating the machine.
Failure to comply could result in death or serious injury.

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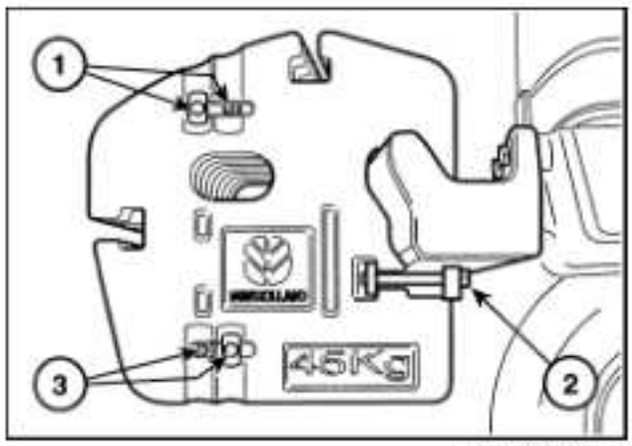
⚠WARNING

Heavy object!
Clear the area around and under the counterweight removal and installation system before installing or removing counterweights. Keep all unauthorized personnel clear of the area. Make sure all lifting devices are in good condition and capable of handling the counterweight mass.
Failure to comply could result in death or serious injury.

W0037A

1. Loosen the bolt **(2)** and slide the set of fasteners to the side.
2. Use a bar through the central hole and perform the lifting with the aid of a lifting device.

NOTE: *Alternatively, the weights can be removed individually, after removing the fastening bolt and removing the four long bolts* ***(1)*** *and* ***(3)****.*



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CONNECTOR X-010F - ENGINE HARNESS TO MAIN HARNESS			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
21	EN-3120A (PK)	X-010FENGINE HARNESS TO MAIN HARNESS X-100AutoSense Sterring Angle Sensor	Version with cruise control ready: **Harnesses and connectors - Electrical schematic sheet 06 – Engine interface connector (55.100)** Version without cruise control:
22	EN-057CX (BK)	X-010F ENGINE HARNESS TO MAIN HARNESS X-020 Temperature Sender	Version with cruise control ready: **Harnesses and connectors - Electrical schematic sheet 06 – Engine interface connector (55.100)** Version without cruise control: **Harnesses and connectors - Electrical schematic sheet 06 (55.100)**
23	EN-3100 (GN)	X-010FENGINE HARNESS TO MAIN HARNESS X-100AutoSense Sterring Angle Sensor	Version with cruise control ready: **Harnesses and connectors - Electrical schematic sheet 06 – Engine interface connector (55.100)** Version without cruise control:
24	EN-3140A (BK)	X-010FENGINE HARNESS TO MAIN HARNESS X-100AutoSense Sterring Angle Sensor	Version with cruise control ready: **Harnesses and connectors - Electrical schematic sheet 07 – Engine interface connector (55.100)** Version without cruise control:
25	EN-3161B (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-101 Pressure Transducer	
26	EN-3168B (OR)	X-101 Pressure Transducer X-010F ENGINE HARNESS TO MAIN HARNESS	
27	EN-3160B (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-101 Pressure Transducer	
28	EN-3163A (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-103 AG Sol Valve B	
29	EN-3164A (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-103 AG Sol Valve B	
30	EN-3165A (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-102 AG Sol Valve A	
31	EN-3166A (OR)	X-010F ENGINE HARNESS TO MAIN HARNESS X-102 AG Sol Valve A	
32	EN-1001A (WH)	SP-1001A X-010F ENGINE HARNESS TO MAIN HARNESS	Version with cruise control ready: **Harnesses and connectors - Electrical schematic sheet 07 – Engine interface connector (55.100)** Version without cruise control: **Harnesses and connectors - Electrical schematic sheet 07 - Engine interface connector (55.100)**
33	EN-1001B (WH)	SP-1001A X-010F ENGINE HARNESS TO MAIN HARNESS	
34	-	-	
35	-	-	
36	-	-	

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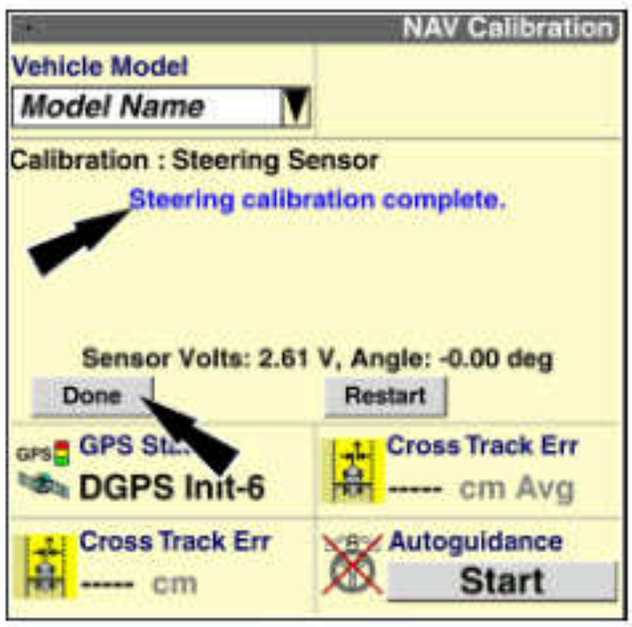
10. Turn the steering wheel until the steering is aligned and facing the front. The Sensor Volts (Volts do Sensor) and Angle (Angle) fields are updated as the steering wheel is turned.
11. Drive the vehicle with the wheels as aligned as possible during this stage of the procedure. Use the centre line of the road or another reference line as required. If the centre position of the steering wheel is not properly calibrated, the cross trajectory error can never be reduced to 0 (zero) and the steering can swing during automatic operation.

NOTE: *The steering wheel must be at the centre position when pressing the OK button.*

12. Press the OK button to continue.

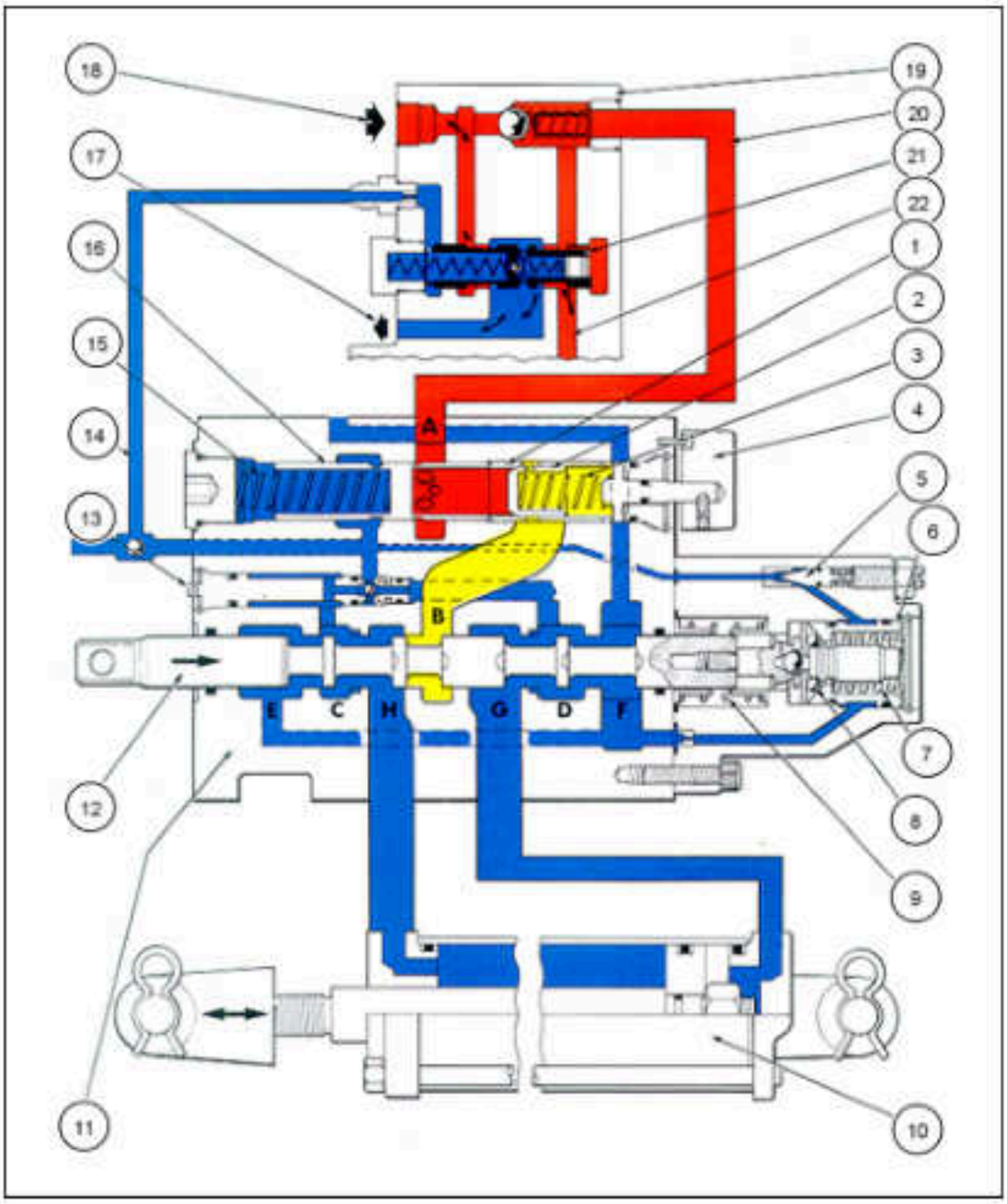


13. The message " Steering calibration complete (Steering calibration complete)" appears on the screen when the process has been completed successfully.
14. Press the Done (Done) button to save the calibration results and exit the steering sensor calibration.
15. The calibration results are automatically saved for the vehicle model selected.



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Single remote valve operation – Float



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Reference	Component	Reference	Component
	– Pump pressurized oil		– Trapped oil
(1)	Flow control restrictor	(12)	Control Valve Spool
(2)	Load Check Valve	(13)	Shuttle check valve
(3)	Check valve spring	(14)	Load sense line (pilot line)
(4)	Flow control knob	(15)	Flow control spring
(5)	Detent regulating valve	(16)	Flow control spool
(6)	Detent spool	(17)	Return to deposit
(7)	Detent plunger and spring	(18)	From auxiliary pump (if equipped)
(8)	Detent Balls	(19)	Priority valve group
(9)	Centering Spring	(20)	Supply to remote valve
(10)	External cylinder	(21)	Combining valve
(11)	Valve body	(22)	Main pump supply

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