This section covers the proper starting and transmission operation of the tractor.

BEFORE STARTING THE ENGINE

Before starting your tractor each time, make the following checks. Also see Maintenance/Adjustments sections in this manual.

1. Make sure the tractor is properly lubricated and greased as described in the Lubrication/ Maintenance section of this manual.

2. Check the engine oil level, engine coolant level, and transmission oil. Do not add engine oil unless the indicated level is below the add mark on the dipstick. See the Lubrication/Maintenance section of this manual.

3. Check that the tractor fuel tank is filled with clean fuel that meets the specifications given in this manual.

NOTE: *Clean around the fuel tank cap before you remove the cap.*

4. Check the fuel system, cooling system and engine for leaks.

5. Remove any water or sediment from the water trap of the fuel tank and primary filter.

6. Check the air pressure in the tires and check the wheel bolt torque.

7. Make sure the power takeoff guard is in the proper position.

WARNING: *Before starting the engine, be sure all operating controls are in neutral or park position. This will eliminate accidental movement of the machine or start up of power driven equipment.* SM306A

WARNING: *Never operate the engine in a closed building. Proper ventilation is required under all circumstances.* M142A

WARNING: *ALWAYS sound horn before starting the machine. Make sure working area is clear of other persons, pets, tools, etc. before you start operating this machine. NEVER allow anybody in work area during machine operation.* M804

Daily Inspection

Walk around and visually inspect the tractor daily. Check for such items as hoses or wires rubbing against other components, oil leaks, trash buildup, loose bolts or anything that would affect the normal operation of the tractor.

Make any necessary corrections before operating the tractor.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

This section offers an overview of in-cab controls. See the appropriate section in this manual for detailed operating instructions.

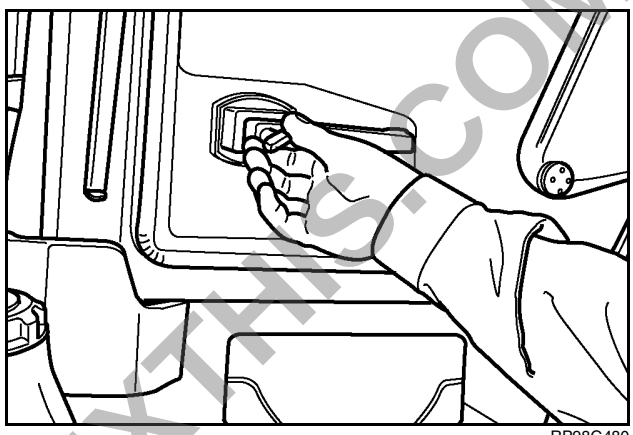
TRACTOR ACCESS

Cab Door Lock

Use the key for the key switch to lock or unlock the cab door from the outside

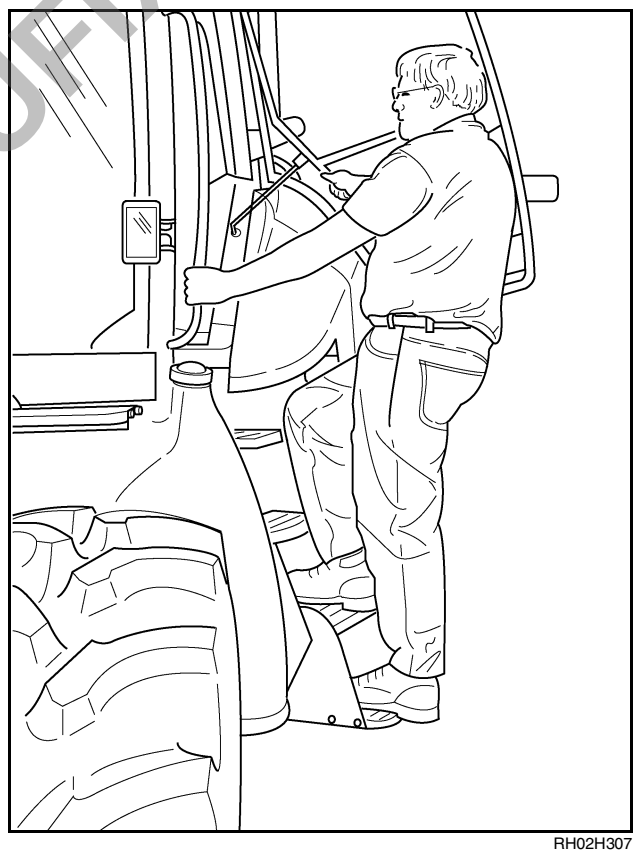
When mounting or dismounting the tractor, use the hand rails and steps provided.

NOTE: *Refer to Cab Steps in this manual for repositioning of steps.*



RP98G480

WARNING: *Jumping on or off the machine can cause an injury. Always face the machine, use the hand rails and steps, and get on or off slowly. Maintain a three point contact to avoid falling, (both hands on rails and one foot on the step, or one hand on the hand rail and both feet on the steps).* SM516



RH02H307

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

This section covers lubrication, system capacities, filters, fluids and maintenance required on the tractor.

ENVIRONMENT

- Before you service this machine and before you dispose of the old fluids, lubricants and filters always remember the environment.
- DO NOT pour oil or fluids in the ground, down drains or into containers that can leak.
- Dispose of all old fluids, lubricants and filters in accordance with local regulations.
- Check with your local environmental recycling center or your dealer for correct information

PLASTIC AND RESIN PARTS

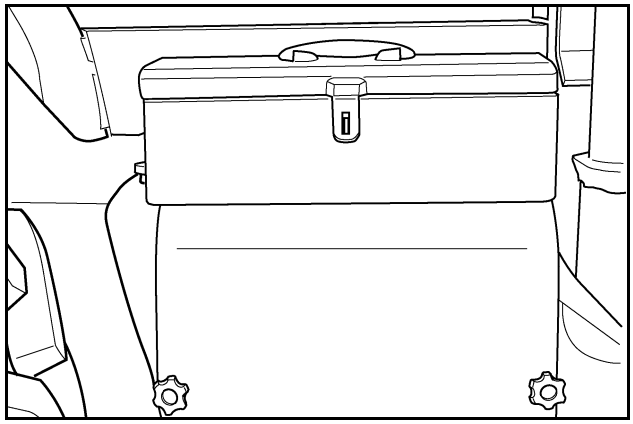
- Avoid using gasoline, paraffin, paint thinner, etc., when cleaning plastic, e.g.; console, instrument cluster, monitors and gauges etc.
- Use ONLY water, mild soap and a soft cloth when you clean these parts.
- Using gasoline, paraffin, paint thinner etc., will cause declaration, cracking or deformation of the part being cleaned.

TOOL BOX (If Equipped)

The tool box (if equipped) is located on the right side of the cab above the fuel tank.

To remove the tool box, do the following:

1. Open the lid and remove the inner tray.
2. Remove the retaining pin, located in the center at back of the tool box.
3. Lift the tool box from the bottom outwards and upwards.



RH02G245

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

This section covers engine and power train specifications, travel speeds, weights and dimensions on the tractor.

DIESEL ENGINE

General (TG210 & TG230)

Type ..... Six Cylinder, Four Stroke Cycle, Turbocharged, 2 Valve per Cylinder Head, Air to Air After Cooled
Firing Order 1-5-3-6-2-4
Bore ..... 114 mm
Stroke ..... 135 mm
Piston Displacement ..... 8.3 Litre
Compression Ratio 18.0:1
Cylinder Sleeves ..... Wet Type, Removable
High Engine Idle (Machine in Neutral)
  TG210 ..... 2455 ±45 RPM
  TG230 ..... 2440 ±25 RPM
Rated Engine Speed ..... 2200 RPM
Low Engine Idle ..... 900 ±50 RPM

General (TG255 & TG285)

Type ..... Six Cylinder, Four Stroke Cycle, Turbocharged, 4 Valve per Cylinder Head Air to Air After cooled
Firing Order 1-5-3-6-2-4
Bore ..... 114 mm
Stroke ..... 135 mm
Piston Displacement ..... 8.3 Litre
Compression Ratio 17.0:1
Cylinder Sleeves ..... Wet Type, Removable
High Engine Idle (Machine in Neutral) ..... 2385 ±25 RPM
Rated Engine Speed ..... 2200 RPM
Low Engine Idle ..... 900 ±50 RPM

Lubrication System - All

Oil Pressure ..... 43 to 54 PSI (296 to 372 kPa) with Engine Warm and Operating at Rated Speed
Type System ..... Constant Pressure and Spray with Piston Oil Cooling

Fuel System - All

Fuel Injection Pump
  TG210 & TG230 Tractor ..... Robert Bosch, P3000
  TG255 & TG285 Tractor ..... CAPS
Fuel Injectors ..... Robert Bosch, 17 mm

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

GENERAL TABLE OF CONTENTS

1 – TO THE OWNER **1**
STATEMENT OF TRACTOR INTENDED USE 1
OPERATOR MANUAL STORAGE COMPARTMENT 1
PRODUCT IDENTIFICATION AND SERIAL NUMBERS 3
MACHINE COMPONENTS 5
BUSINESS BAND RADIOS 7

2 – SAFETY/DECALS **9**
SAFETY RULES 9
PERSONAL SAFETY 12
INSTRUCTIONAL SEAT SAFETY 12
MAINTENANCE SAFETY 13
FIRE SAFETY 13
BATTERY SAFETY 14
MACHINE OPERATION AND ROLL-OVER SAFETY 14
HAZARDOUS CHEMICALS 15
SAFETY DECALS 16
ROLL OVER PROTECTIVE STRUCTURE (ROPS) 20
CLEANING CAB WINDOWS 21
INTERIOR REAR VIEW MIRROR 21
SEAT BELTS 22
TRACTOR WARNING LAMPS AND SMV SYMBOL 23
IMPLEMENT WARNING LAMPS AND SMV SYMBOL 26
SAFETY CHAIN 27

3 – OPERATING CONTROLS **29**
TRACTOR ACCESS 29
OPERATOR SEATS WITH AIR SUSPENSION 30
INSTRUCTIONAL SEAT (IF EQUIPPED) 36
CD PLAYER – 6-DISC (IF EQUIPPED) 36
STEERING COLUMN CONTROLS 37
FOOT PEDALS 38
CENTER CONSOLE CONTROLS 39
RIGHT HAND CONSOLE CONTROLS 41
ARMREST CONSOLE CONTROLS 50
RIGHT HAND FENDER CONTROLS 53
STANDARD TEMPERATURE SYSTEM CONTROLS (IF EQUIPPED) 57
AUTOMATIC TEMPERATURE CONTROL SYSTEM (IF EQUIPPED) 59
AUTOMATIC TEMPERATURE CONTROL OPERATION 61
REAR WINDOW 66
DOME LAMP 66
MAP LAMP (IF EQUIPPED) 67
RADIO (IF EQUIPPED) 67
SUN SHADE (IF EQUIPPED) 67
INTERIOR REAR VIEW MIRROR 68
EXTENDABLE MIRRORS (IF EQUIPPED) 68
UTILITY CONSOLE 68

4 – INSTRUMENTATION **69**
TRACTOR INSTRUMENTATION (EARLY VERSION) 69
INSTRUMENT CLUSTER (PANEL 1) 70
FUNCTIONAL DATA AND PROGRAMMABLE DISPLAY (PANEL 2) 71
PROGRAMMING THE DISPLAY MONITOR 75
WARNING DISPLAYS (PROGRAMMABLE DISPLAY) 92
PERFORMANCE MONITOR (PANEL 3) 97

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF DEATH OR SERIOUS INJURY.

M171C

If Safety Decals on this machine use the words **Danger, Warning or Caution,** which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as  and 

if used, are RED.

WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow CNH America LLC instructions on machine operation and maintenance.

87059621 Issued May, 2005

© 2005 CNH America LLC

PREVIEW ONLY YOUFIXTHIS.COM

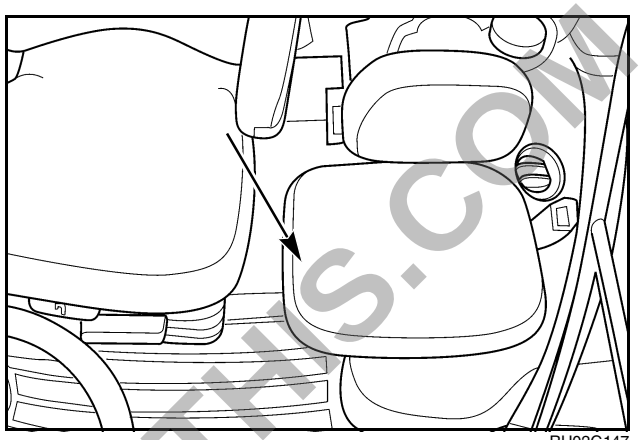
Download full manual at youfixthis.com

INSTRUCTIONAL SEAT (If Equipped)

WARNING: *A frequent cause of death or serious injury is persons falling off machinery and being run over. Keep cab door closed. Instructional seat is used only for instructing or service diagnosing only. DO NOT permit others to ride, especially children. Seat belt must be worn at all times.* M488C

The instructional seat with seat belts is available to provide seating for an experienced operator when a new operator is being trained on the operation of the tractor. Refer to Instructional Seat Safety in the Safety section of this manual for additional information.

IMPORTANT: *This seat is not intended as a passenger seat or for use by children.*



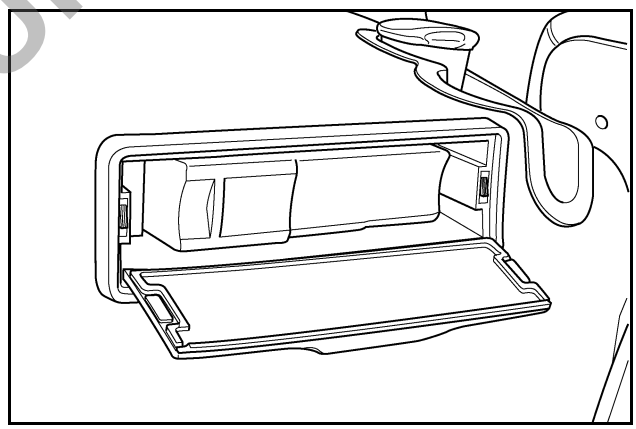
RH02G147

CD PLAYER – 6-Disc (If Equipped)

Tractors may be equipped with an optional 6-disc CD player.

The CD player is located in the left hand fender compartment. For operating instructions, refer to CD player manual located in the operator's manual storage compartment behind the seat.

The CD player can be operated with the key switch in any position.



RH02G329

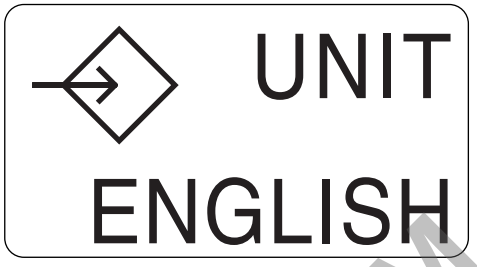
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

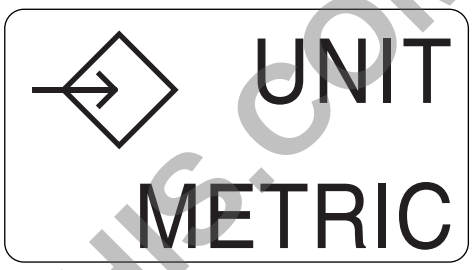
3. Press the PROG key to display the UNIT screen.

4. Press the INCR or DECR key to display ENGLISH or METRIC units.

NOTE: *The bottom line displays the current display units and the tractor instrumentation gauges will change display units.*



RH02H240



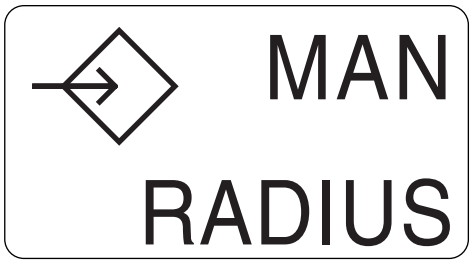
RH02H241

To exit without saving the change, turn the key switch OFF.

To save the change:

1. Press the PROG key. The display advances to manual tire radius screen.

2. Turn the key switch OFF.

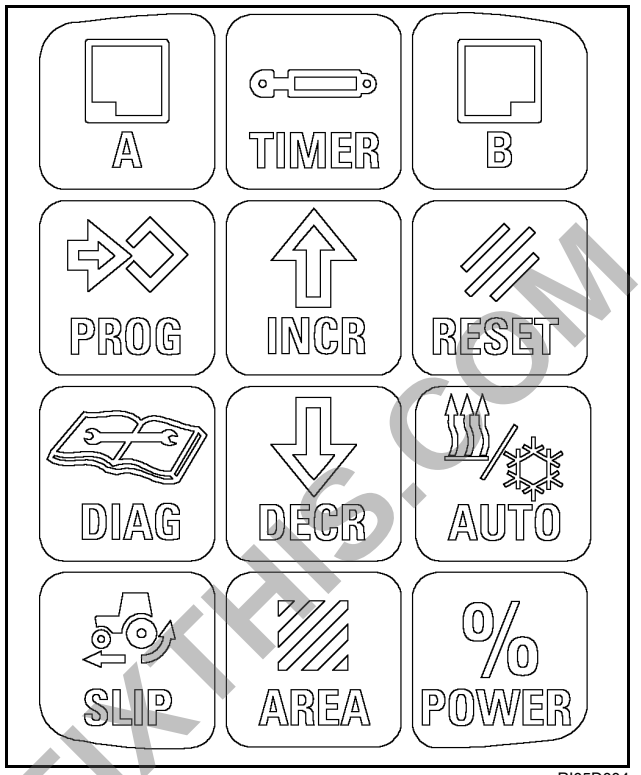


RH02H242

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

DELUXE KEYPAD	
Key	**Function**
“A”	To toggle menu screen selection.
“B”	To toggle menu screen selection.
TIMER*	To display remote hydraulic timer screen.
PROG	1 - To enter setup mode and to select parameters within setup and diagnostics mode. 2 - To enter display monitor adjustment menu for ICU data screen order, backlighting and contrast.
INCR (Up Arrow)	To increase value of displayed number or scroll up through information screens.
RESET	Used to reset warning faults, programming modes and diagnostic modes.
DIAG	To enter diagnostics mode and display ENGINE hours.
DECR (Down Arrow)	To decrease value of displayed number or scroll down through information screens.
AUTO	Function not available.
SLIP	To display percent slip when equipped with radar.
AREA	To display Area Information screen or to edit implement width and accumulated area.
% POWER**	To display % power, % slip and fuel rate.



RI05D004

*This function is not available on tractors equipped with stepper motor AUX valves.

**This function is not available on tractors equipped with mechanical fuel injection pumps.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TRANSMISSION

Transmission Default Gears

At tractor startup the gear default for forward is 7th gear; the default for reverse is 2nd gear. If different default gears are required, your New Holland dealer can change them.

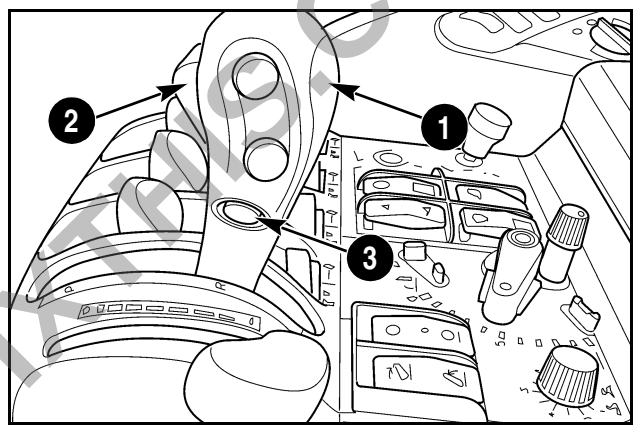
When the inching pedal is depressed while traveling in road gears (13th and higher), the transmission automatically downshifts to match the actual travel speed. This eliminates the need to down shift at every stopping point.

Operational Components

The transmission control lever (1) is used to select forward direction, reverse direction, and neutral/park.

Depress and hold the Lever Release button (2) to move the Control Lever between the FORWARD, NEUTRAL and REVERSE positions.

With the Control Lever in the NEUTRAL position, depress the Park button (3) to engage the PARK function.



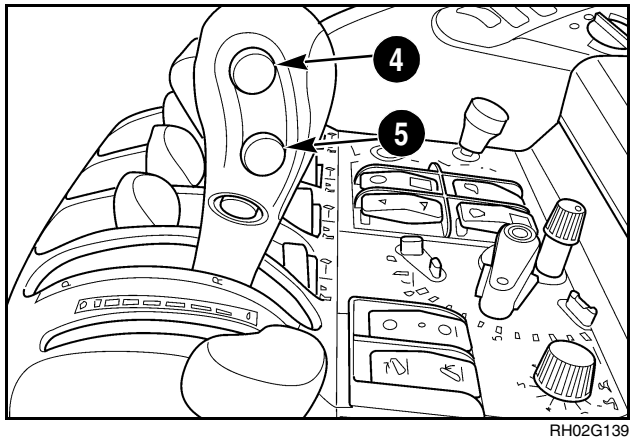
RH02G139

IMPORTANT: *As a safety feature on tractor startup, the inching pedal MUST be depressed before moving the transmission control lever from NEUTRAL/PARK to either FORWARD or REVERSE. If the inching pedal is not depressed, an alarm sounds; the message "CP" (for clutch pedal) displays on the instrument cluster, and the transmission does NOT engage. Once the transmission is first engaged with the inching pedal, shifting without using the pedal is available.*

The gear selection UPSHIFT button (4) and DOWNSHIFT button (5) are located on the transmission control lever handle and are used to select the desired transmission gear.

NOTE: *Each time the tractor is started, the transmission is in a programed start-up gear. Refer to Transmission Default Gears for details.*

The transmission can be shifted to any forward or reverse speed when the tractor is moving or stationary (1st through 13th speed only when tractor is stationary). When changing the direction of travel, slow the tractor speed before moving the control lever to the new direction of travel.



RH02G139

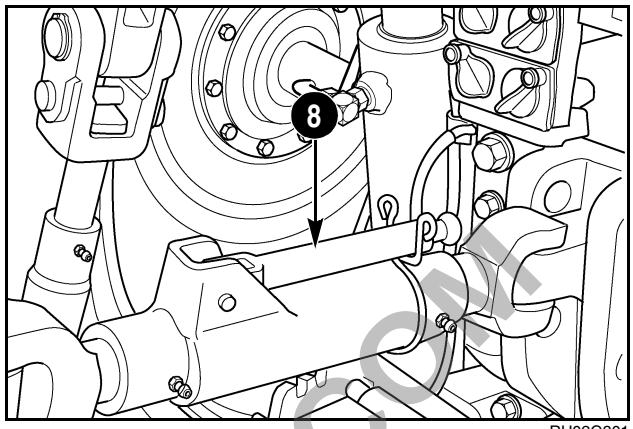
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

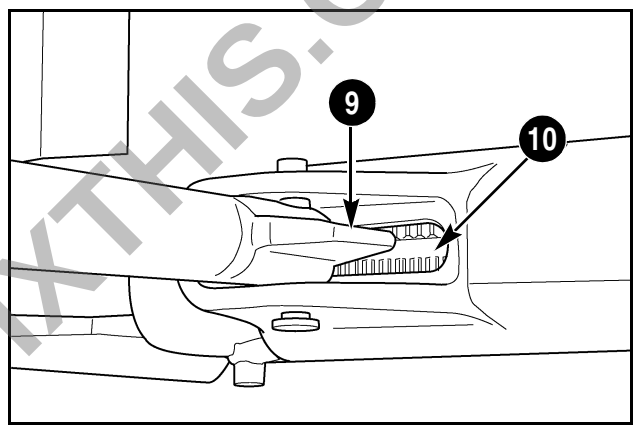
9. Return the adjustment handle (8) to the spring clip. The lug (9) on the handle must engage the groove (10) in the threaded rod.

NOTE: *The handle should always be positioned on top of the turnbuckle to prevent interference.*

IMPORTANT: *After making final adjustments, carefully raise and lower the implement to check the clearance between the implement and tractor components. Lower links MUST be completely latched before transporting or pulling the implement.*



RH02G301



RH02G302

WARNING: *Extreme care must be exercised when adjusting and checking hitch and control linkage when the engine is running and when linkage is under hydraulic or mechanical load. Study the linkage and hitch travel-keep the hands, arms, legs and feet out of the travel arc of the hitch and linkage.* M148B

Leveling an Implement

Operate the tractor and implement in the field to check and adjust the hitch. Adjust the length of the upper link to obtain an even implement depth from front to rear. Adjust the length of the lift links to obtain an even implement depth from side to side.

The lift links can also be adjusted to obtain desired lift height in the fully raised position for some implements. Adjusting the lift links shorter creates more kick from the implement when the implement is raised. Adjusting the lift links longer provides more level operation as the implement is raised.

PREVIEW - YOUFIXTHIS.COM

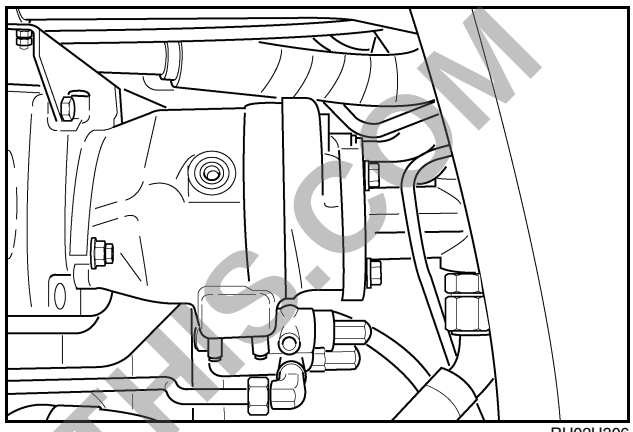
Download full manual at youfixthis.com

REMOTE HYDRAULICS

Standard and Megaflow Supplied Remote Systems

Standard Pump System

The Standard pump, located forward of the right hand axle, supplies all remote valves as equipped, as well as the Motor Return and Power Beyond circuits if equipped.



RH02H306

Standard Pump

Megaflow Pump System

The Megaflow pump if equipped, located to the rear of the Standard pump, adds the additional capacity of a second pump to the remote system.

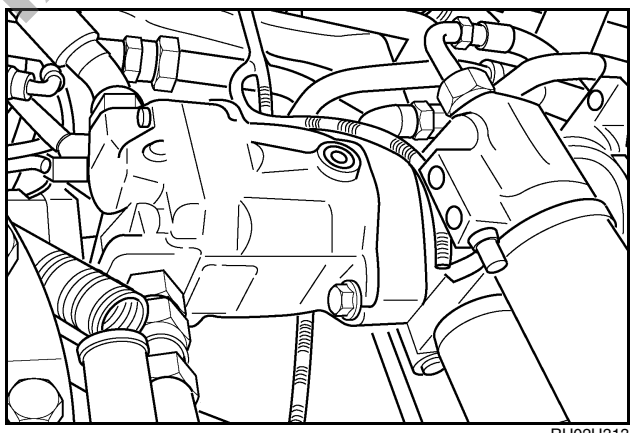
With the Megaflow option, hydraulic flow to the remote valves is split at the manifold. The Standard pump supplies the first and second remote valves, as well as the Motor Return and Power Beyond circuits if equipped.

The Megaflow pump supplies the third and fourth remote valves and the fifth remote valve if equipped.

When connecting implements to the tractor hydraulic system, the motor requirements must be balanced against how flow is delivered.

Hydraulic motors which require a low pressure return should be connected to the Motor Return Coupler and the low pressure return on the same. See **Motor Return Circuit** on page 248.

When two motors are connected, the higher capacity motor should be connected to the first or second remote valves, the lower capacity motor to the third or fourth remote valves.



RH02H313

Megaflow Pump

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

All Front Axles with Fully Mounted or High Vertical Load Implements (40/60 Split)								
	Front and Rear Singles				Front Singles & Rear Duals			
	Pounds Per HP				Pounds Per HP			
Model	110	120	130	140	110	120	130	140
TG210	n/a	n/a	n/a	U, 2X	n/a	n/a	n/a	n/a
TG220	n/a	U	V, X, Y	n/a	n/a	n/a	V	n/a
TG255	U	V, 2X, Z	W, 2X, Z	W, 2Y, Z	n/a	V	W, 2X	W, X, Z
TG285	U, 2X, Z	W, X, Y, Z	n/a	n/a	V	W, X, Y	W, X, Y, Z	n/a

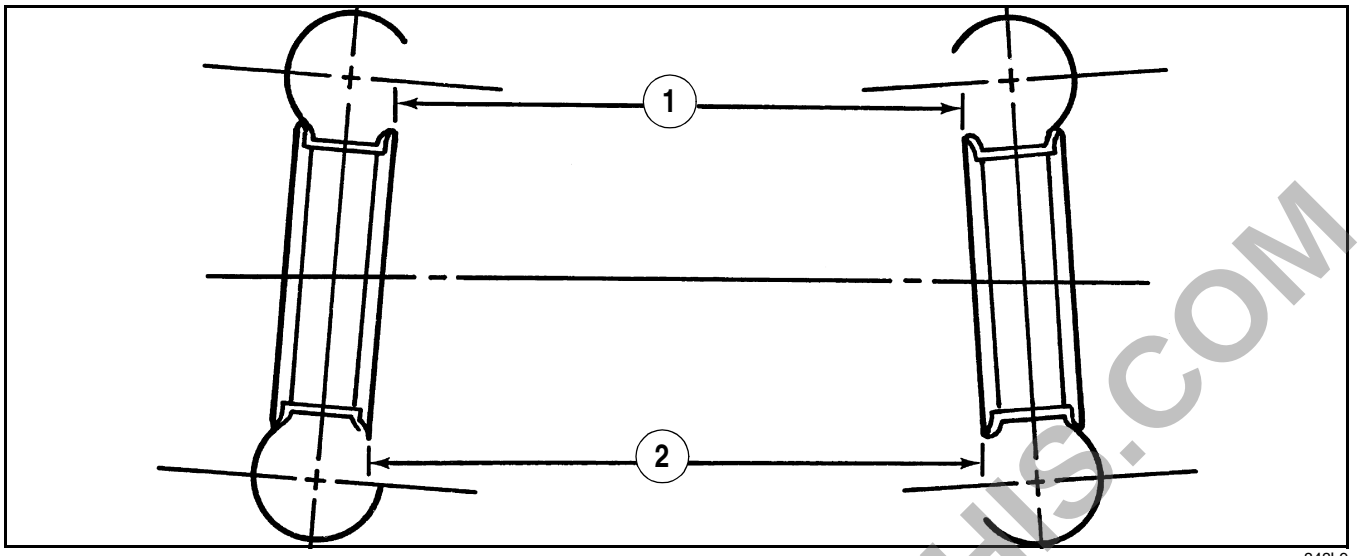
	Front and Rear Duals			
	Pounds Per HP			
Model	110	120	130	140
TG255	n/a	n/a	V, 2X	V, 2X, Z
TG285	U	V, X, Y	W, X, Y, Z	n/a

Code	Description	Front Wt, +/-		Rear Wt, +/-	
		kg	lbs	kg	lbs
T	Front Weight - 12 x 40 kg (88 lb)	610	1344	-132	-290
U	Front Weight - 22 x 40 kg (88 lb)	1118	2464	-241	-532
V	Front Weight - 10 x 100 kg (220 lb)	1275	2810	-272	-600
W	Front Weight - 16 x 100 kg (220 lb)	2039	4496	-435	-960
X	Rear Wheel Weight - 2 x 91 kg (200 lb)	0	0	181	400
Y	Rear Wheel Weight - 2 x 227 kg (500 lb)	0	0	454	1000
Z	Rear Wheel Weight - 2 x 454 kg (1000 lb)	0	0	907	2000
n/a	Weight split is not achievable.				

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Toe-In Setting - Standard and Suspended FWD Front Axle



1. FRONT 2. REAR

Perform the following steps to adjust the toe-in setting for the Standard and Suspended FWD front axle:

1. Raise the front of the tractor so that both wheels are off the ground and the steering is free to turn through the full range of motion.
2. Position the wheels in a straight ahead position (0 degree steer).
3. Put a chalk mark at the inside front of the rims at the tire/rim interface. Put the mark at the same height as the center of the hub.
4. Measure the distance between the chalk marks (distance 1 in the diagram).
5. Rotate each front tire 180 degrees so that the chalk marks are at the rear.
6. Measure the distance between the chalk marks (distance 2 in the diagram).
7. Subtract the front measurement (1) from the rear measurement (2) to get the toe-in.
8. If the toe-in is 0 to 3 mm (0 to 1/8 inch), then the toe-in is correct and the toe-in procedure is finished.
9. If the toe-in is less than 0 mm (0 inches), then increase the length of the tie rod by loosening the two tie rod nuts and rotating the tie rod tube until toe-in is correct.
10. If the toe-in is more than 3 mm (1/8 inch) decrease the length of the tie-rod until the toe-in is correct.

Toe-In Setting - SuperSteer Front Axle

See your New Holland dealer on adjusting the toe-in setting for your tractor. Special adjustment tools and procedures are required.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Rear Axle Size	Rear Tire Width	Inner Tread Setting (Wheel Turned In)**						
		1524 mm 762 mm Rows	1626 mm 813 mm Rows	1727 mm 864 mm Rows	1829 mm 914 mm Rows	1930 mm 965 mm Rows	2032 mm 1016 mm Rows	2235 mm** 1118 mm Rows
		60 In 30 In Rows	64 In 32 In Rows	68 In 34 In Rows	72 In 36 In Rows	76 In 38 In Rows	80 In 40 In Rows	88 In** 44 In Rows
		Dual Tread Range (Minimum/Maximum, Wheel Turned Out) – mm (in)						
102 mm Dia x 2890 mm (4 In Dia x 114 In) TG210 & TG230	14.9/380	2845 - 3150 (112 - 124)	2946 - 3150 (116 - 124)	3048 - 3150 (120 - 124)	3150 (124)	3277-3404 (5 w/ 5i) (129-134)	3378-3404 (5 w/ 5i) (133-134)	3277 - 3404 (5)(129 - 134)
	420	2845 - 3150 (112 - 124)	2946 - 3150) (116 - 124)	3048 - 3150) (120 - 124)	3150 (124)	3277-3404 (5 w/ 5i) (129-134)	3378-3404 (5 w/ 5i) (133-134)	3404 (5)(134)
	18.4/480	2845 - 3150* (112 - 124)*	2946 - 3150) (116 - 124)	3048 - 3150) (120 - 124)	3150 (124)	3277-3404 (5 w/ 5i) (129-134)	3378-3404 (5 w/ 5i) (133-134)	3531 - 3658 (10)(139 - 144)
	20.8/520	N/A	2921 - 3124 (115 - 123)	3023 - 3124 (119 - 123)	3124 (123)	3251-3378 (5 w/ 5i) (128-133)	3353-3378 (5 w/ 5i) (132-133)	3581 - 3632 (10)(141 - 143)
	620	N/A	N/A	3327 - 3429 (5)(131 - 135)	3429 (5)(135)	3429 (5 w/ 5i) (135)	3658-3683 (10 w/ 5i) (144-145)	3810 - 3835 (13)(150 - 151)
	710	N/A	N/A	N/A	3607 (10)(142)	3861 (15)(152)	3810-3861 (15 w/ 5i) (150-152)	N/A
102 mm Dia x 3050 mm (4 In Dia x 120 In) TG210, TG230 & TG255	14.9/380	2845 - 3302 (112 - 130)	2946 - 3302 (116 - 130)	3048 - 3302 (120 - 130)	3150 - 3302 (124 - 130)	3251 - 3302 (128 - 130)	3378-3556 (5 w/ 5i) (133-140)	3404 - 3556 (5)(134 - 140)
	420	2845 - 3302 (112 - 130)	2946 - 3302 (116 - 130)	3048 - 3302 (120 - 130)	3150 - 3302 (124 - 130)	3251 - 3302 (128 - 130)	3378-3556 (5 w/ 5i) (133-140)	3531 - 3556 (5)(139 - 140)
	18.4/480	2845 - 3302* (112 - 130)*	2946 - 3302 (116 - 130)	3048 - 3302 (120 - 130)	3150 - 3302 (124 - 130)	3251 - 3302 (128 - 130)	3378-3556 (5 w/ 5i) (133-140)	3658 - 3810 (10)(144 - 150)
	20.8/520	N/A	2921 - 3277 (115 - 129)	3023 - 3277 (119 - 129)	3124 - 3277 (123 - 129)	3226 - 3277 (127 - 129)	3353-3531 (5 w/ 5i) (132-139)	3708 - 3785 (10)(146 - 149)
	620	N/A	N/A	3226 - 3327 (127 - 131)	3327 (131)	3531 - 3581 (5)(139 - 141)	3351-3581 (5 w/ 5i) (139-141)	3962 - 3988 (13)(156 - 157)
	710	N/A	N/A	N/A	3607 - 3734 (10)(142 - 147)	3708 - 3734 (10)(146 - 147)	3861 - 3886 (13)(152 - 153)	N/A
	800	N/A	N/A	N/A	N/A	3835 - 3912 (15)(151 - 154)	3912 (15 w/ 5i) (154)	N/A
	900	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* **The inner tread setting can be reduced to 1524 mm (60 inches) if CAT IIIN hitch setting is used.**

** For 2235 mm (88 inch) tread setting, inner wheel must be turned out. **See Rear Wheel Tread Setting - Singles: Wheel Turned Out**, for actual minimum value.

*** **The actual inner tread setting is 1549 mm (61 inches).**

N/A - **Not Achievable.**

(5) = 5 in (127 mm) spacer is needed.
(5i) = 5 in (127 mm) **inner** spacer is needed.
(10) = 10 in (254 mm) spacer is needed.
(13) = 13 in (330 mm) spacer is needed.
(15) = 15 in (381 mm) spacer is needed.

IMPORTANT: *Maximum Rear Axle Operating Weight must be reduced if the maximum average tread width used in its calculation is exceeded.* ***See Section 10 - Maximum Axle Operating Weights, Rear Axle Operating Weight****.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

300 HOUR MAINTENANCE

Differential Oil Level Check

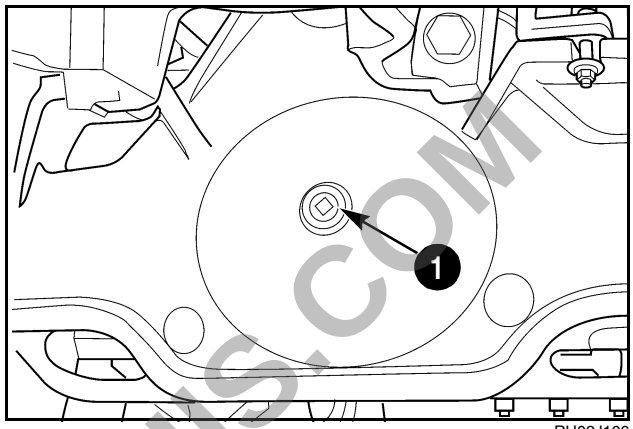
To check the differential oil level, put the tractor on level ground. Remove the fill plug (1) located on the front of the axle housing. Add the recommended oil type to raise the oil level to the bottom edge of the fill hole. Install the plug.

IMPORTANT: *Lock the suspended axle in the middle position before servicing the axle.*

Oil Type: New Holland Ambra Hypoide 140 Gear Oil, SAE 85W140.

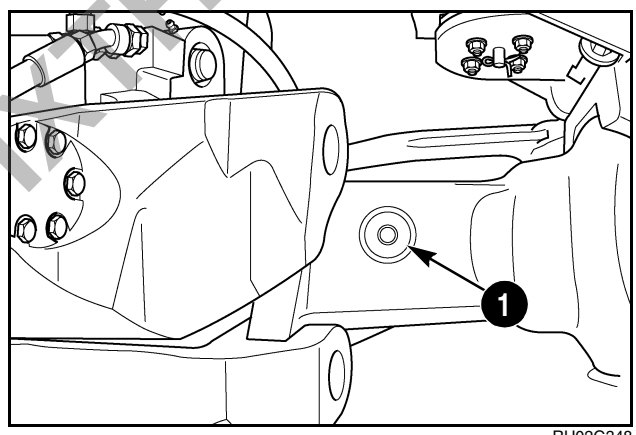
NOTE: *While working machine hard in the field or roading, let machine sit and cool until axle housing is warm to the touch. Loosen the drain plug, but do not remove it. Allow axle pressure to equalize with atmospheric pressure. Then slowly continue to remove plug. Do not attempt to drain axle oil until temperature of the axle is warm, but not uncomfortable to the touch.*

NOTE: *Avoid oil spillage. Wipe off any oil on the cover.*



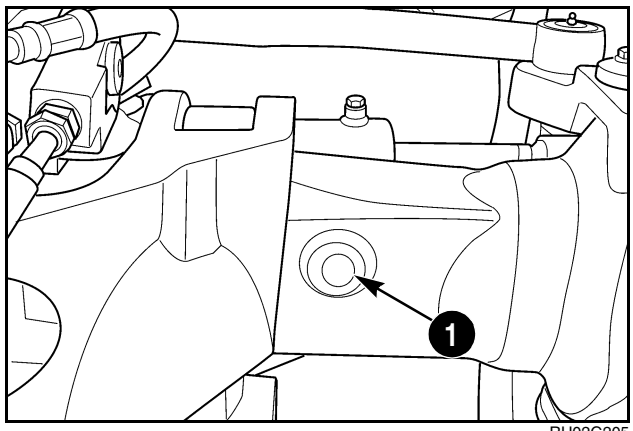
RH02J106

Standard FWD Axle



RH02G348

Suspended FWD Axle



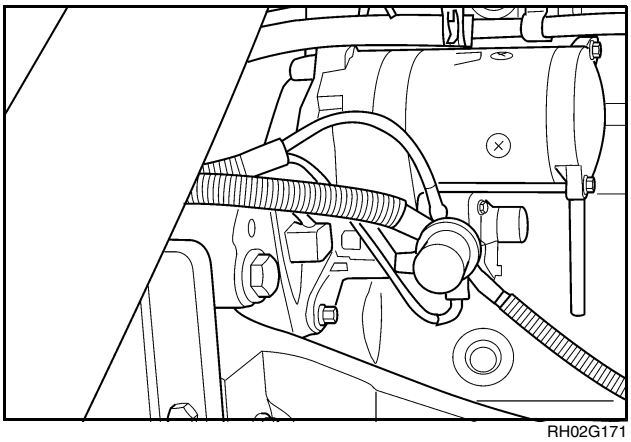
RH02G205

SuperSteer FWD Axle

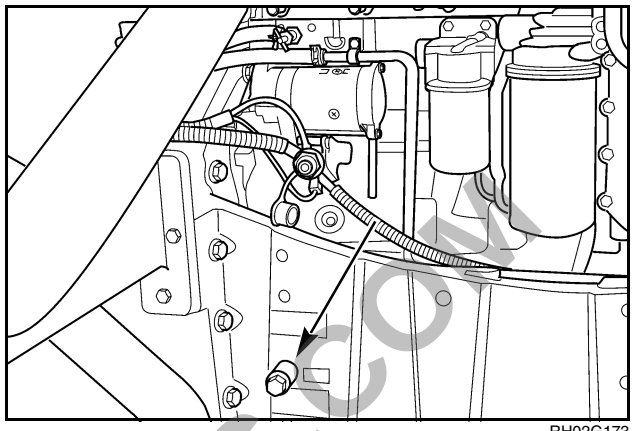
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Auxiliary Battery Connections


RH02G171

Primary Power Stud


RH02G173

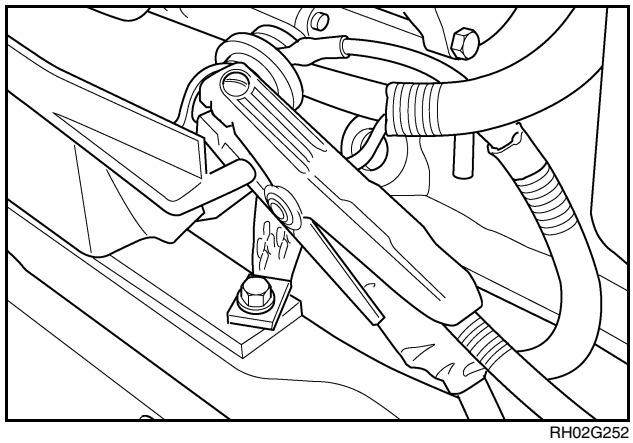
Primary Ground Stud

When connecting an auxiliary battery or charger to the tractor batteries, make sure you connect positive to positive and negative to negative. Do not connect auxiliary battery cables across the terminals of the starter. Start the engine from the operator' s seat.

WARNING: *Battery explosion and/or damage to electrical components can result from improper connection of booster batteries or charger. Connect positive to positive and negative to negative. Externally, battery acid can cause burns and blindness, and taken internally it is poison.* M146B

IMPORTANT: *This is the only safe method to start the tractor engine with an external power supply. Any other method of starting can cause injury or death to the operator or other persons.*

1. Connect the positive (+) cable clamp of the auxiliary battery to the positive (Red) cable terminal provided on the tractor located near the starter.


RH02G252

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 17 of 483 pages

The full manual includes:

- All 483 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland TG210, TG230, TG255, TG285 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual