

1529 / 1532 Tractor Operator Instruction Book

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

FIG. 6: A fire extinguisher and first aid box should be carried with the tractor or be kept readily available at all times. Consult your Dealer.

Note where fire extinguishers and first-aid or emergency equipment are kept and get to know where to get help in a hurry. Make sure you know how to use this equipment.

Clear the area before operation.

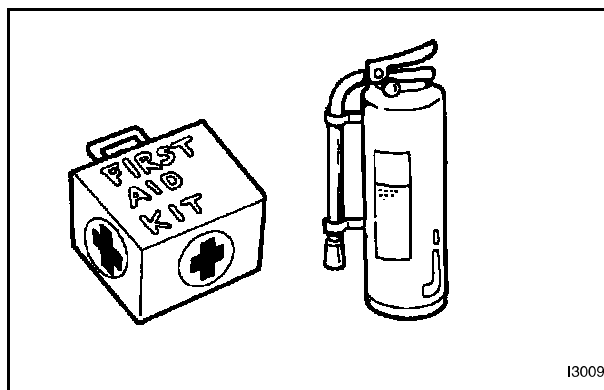


FIG. 6

FIG. 7: DO NOT carry passengers

DO NOT permit others to ride on the tractor or on any implement or attachment connected to, or installed on tractor.



FIG. 7

FIG. 8: Beware of bystanders, particularly children. Always look around to make sure that everyone is clear before starting the engine or moving the tractor. This is particularly important with higher noise levels as you may not hear people shouting.

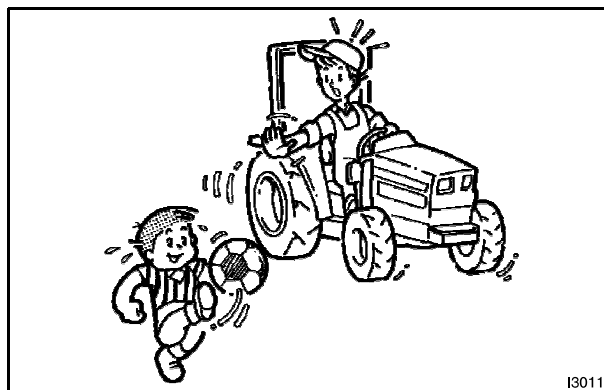


FIG. 8

FIG. 9: When dismounting and/or leaving the operator's seat FOR ANY REASON, always:

1. Disengage PTO drive.
2. Lower implements, attachments to ground.
3. Shut off engine.
4. Apply parking brake securely.
5. Select transmission lever(s) to neutral.
6. Remove the key.

Do not attempt to service machine, clear obstructions or unplug blockages with the engine running. Always shut off engine and allow all motion to cease.

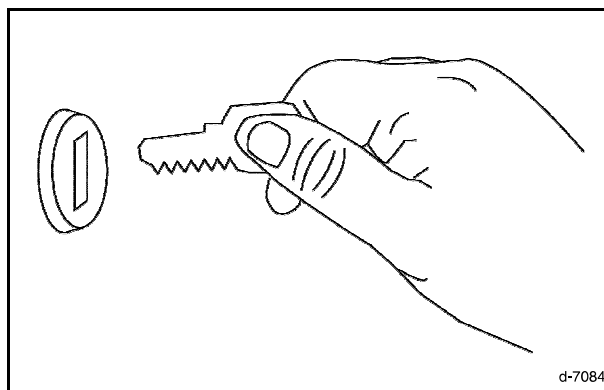


FIG. 9

FIG. 34: WARNING: High pressure steam and hot water

Never remove the radiator cap during or just after operation. The water in the radiator is very hot and highly pressurised, which can cause burns.

Order part number 3905712M1.

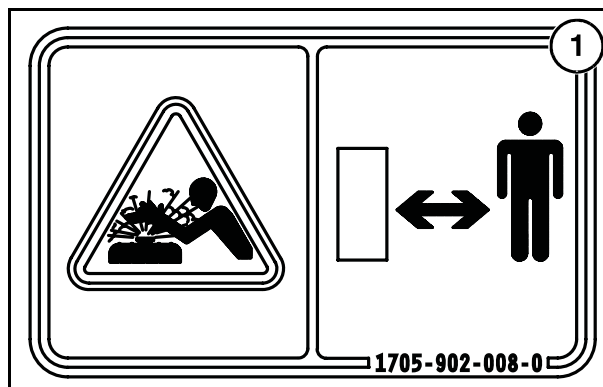


FIG. 34

FIG. 35: WARNING: Risk of explosion

Ether or other starting fluid should never be used to start engines equipped with glow plugs.

Order part number 3905705M1.

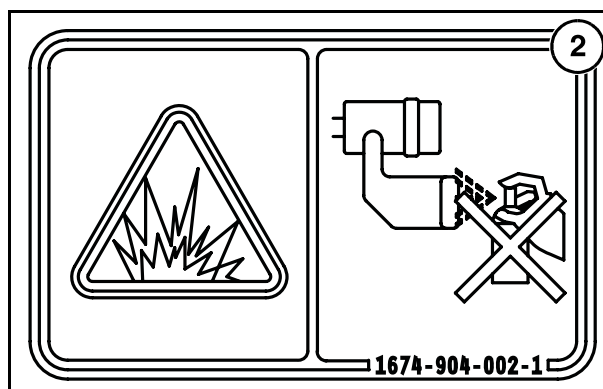


FIG. 35

FIG. 36: Battery Label - Do not charge or use booster cables or adjust post connections without proper instruction and training.

Order part number 3905714M1.

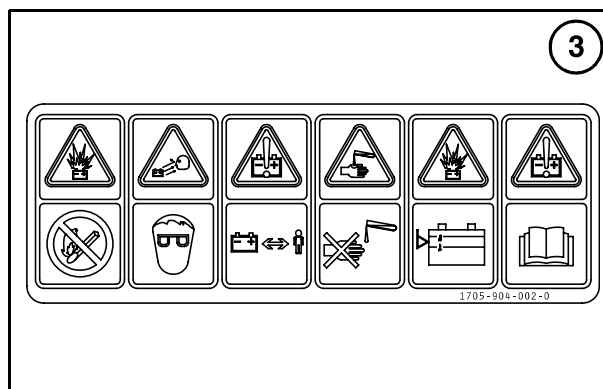


FIG. 36

FIG. 37: WARNING - Risk of Electric Shock. When disconnecting the battery, remove the negative terminal first. When fitting the battery, connect the positive terminal first.

Order part number 3905703M1.

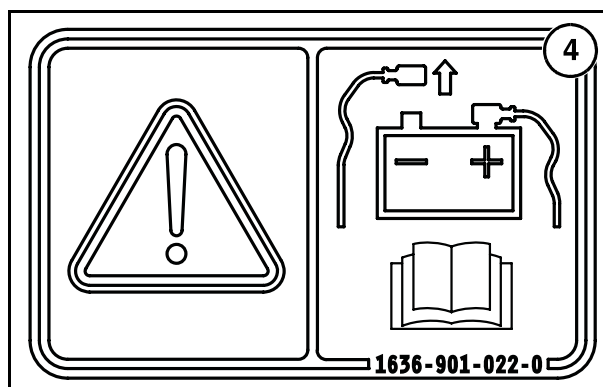


FIG. 37

OPERATION

INSTRUMENTS AND CONTROLS



CAUTION: Become familiar with all operating controls before operating tractor. Read this manual entirely before starting.

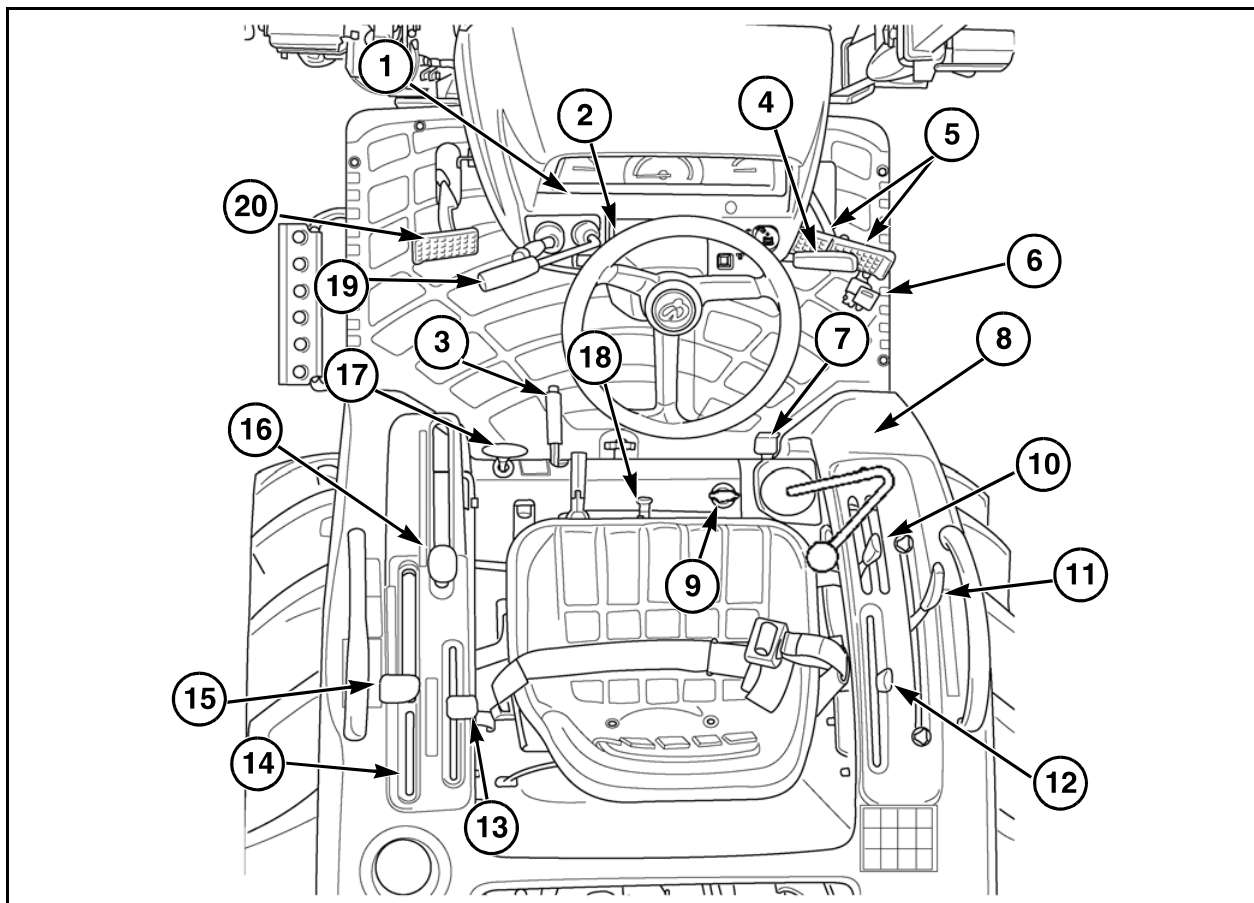


FIG. 54

FIG. 54: General layout and location of controls within the operator's area on the tractor. Specific use of these controls is given later in this section.

- | | |
|---|---|
| (1) Instrument Panel | (11) Three Point Hitch Position Control Lever |
| (2) Steering Wheel | (12) Three Point Hitch Position Draft Lever |
| (3) Parking Brake | (13) Rear Power Take-Off (PTO) Selector Lever |
| (4) Hand Throttle Lever | (14) Mid-PTO Selector Lever |
| (5) Brake Pedals | (15) Range Shift Lever |
| (6) Foot Throttle Pedal | (16) Gear Shift Lever |
| (7) Differential Lock Pedal | (17) Four Wheel Drive Shift Lever |
| (8) Joystick Control Lever (accessory) | (18) Lowering Speed Control Valve Knob |
| (9) Joystick Lockout Lever (accessory) | (19) Forward / Reverse Lever |
| (10) External Auxiliary Hydraulic Lever | (20) Clutch Pedal |

STANDARD TRANSMISSION

Two shift levers are used to select ground travel speed through different gear reductions within the drive train.

IMPORTANT: All range and gear change selections require complete disengagement of main clutch (depressing pedal).

Range And Gear Shift Levers

FIG. 73: The range shift lever (1) and gear shift lever (2) are located to the left of the operator's seat.

The range shift lever provides three major speed changes.

The gear shift lever provides three forward and one reverse gear selection. These gear selections provide a small change in ground speeds and/or direction.

In total, nine forward and three reverse gear speeds are possible.

NOTE: Range shift lever must be in neutral position before the tractor can be started.

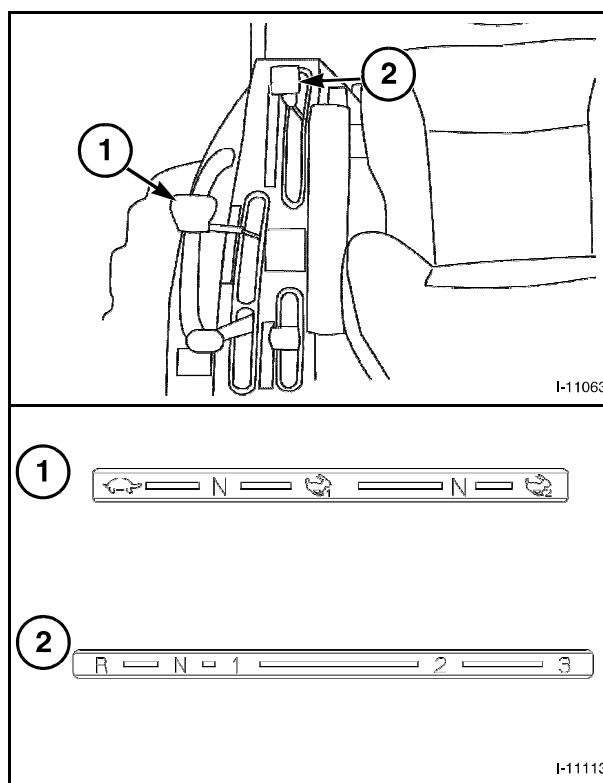


FIG. 73

THREE-POINT HITCH

FIG. 88: The three-point hitch (1) combines tractor and implement into one working unit. Implement position and raising are controlled hydraulically. In addition, implement weight and loads impose downward pressure at tractor rear wheels to increase traction.



CAUTION: When using mounted implements with PTO driveline, make sure: PTO drive shaft has minimum 51 mm (2 in) engagement of telescoping sections, at all hitch/implement positions.

Make sure hitch height during raising does not bind drive shaft universal joints due to extreme drive shaft angles. Limiting raising height may be required.

Make sure PTO drive is disengaged during transport.



CAUTION: Always use position control to attach or detach implements to provide precise control of hitch.

NOTE: The use of three-point mounted backhoes is not recommended. Only use backhoes with full subframe mount.

Draft Control

Fig. 89: Regulates hitch height to provide constant draft with soil engaging implements. Moving the draft control lever (1) forward will give a deeper working depth. Moving the lever to the rear will give a shallower working depth.

As ground contours or soil conditions change, the system will raise or lower the implement as required to keep a constant draft force on the tractor.

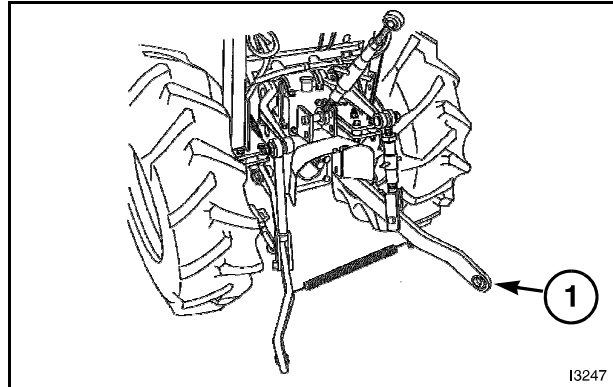


FIG. 88

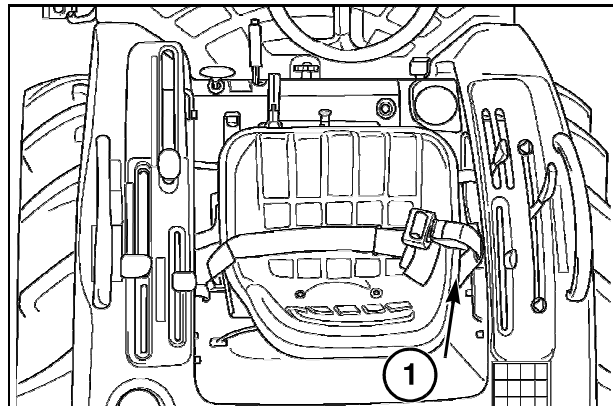


FIG. 89

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

FIG. 113: When overhead clearance is restricted, the upper portion (1) of the ROPS may be folded down.

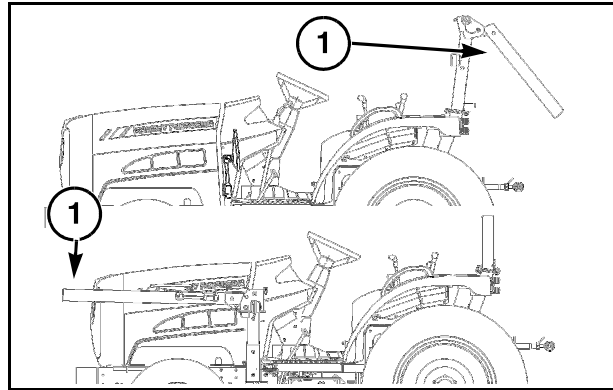


FIG. 113

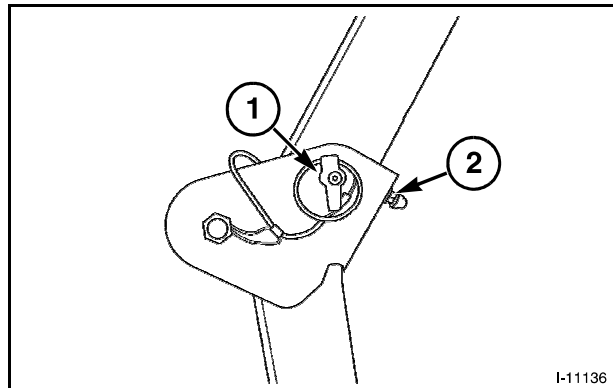
Rear Mounted ROPS

To fold the upper portion of the ROPS, remove the locking pin (1) and lower the upper portion. The seat belt should not be worn when operating with the ROPS folded down.



WARNING: No roll-over protection is provided when the ROPS is folded down. Drive with extreme care. Tractor roll over may result in serious injury or death.

Adjust the rubber isolator (2) on the upper-front of the lower U-frame to reduce vibration. Tighten the jam nut.



I-11136

FIG. 114

Centre Mounted ROPS

FIG. 115: To fold the upper portion of the ROPS, remove the locking pins (1) and lower the upper portion. Fit the locking pins in holes (2) to secure the upper portion.



WARNING: No roll-over protection is provided when the ROPS is folded down. Drive with extreme caution. Tractor roll-over may result in serious injury or death.

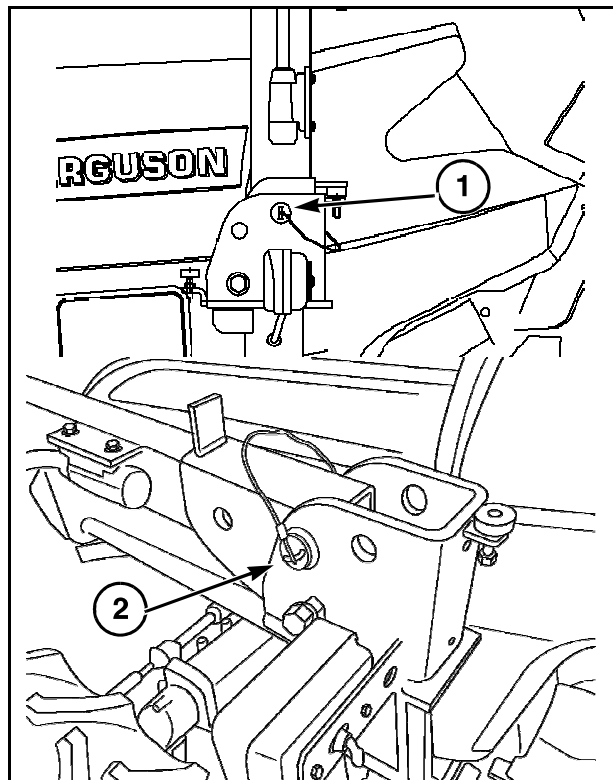


FIG. 115

Air-Bleed Hydraulic System

FIG. 129: When transmission oil has been replaced, it is necessary to bleed the air from the system as follows:

- Check rear transmission (hydraulic) system oil level and add as necessary.
- Place a pan under bleed plug (1).
- Start the engine.
- Loosen the plug until air bubbles appear. Do not remove the plug.
- When air bubbles are no longer visible, stop the engine.
- Tighten the bleed plug.

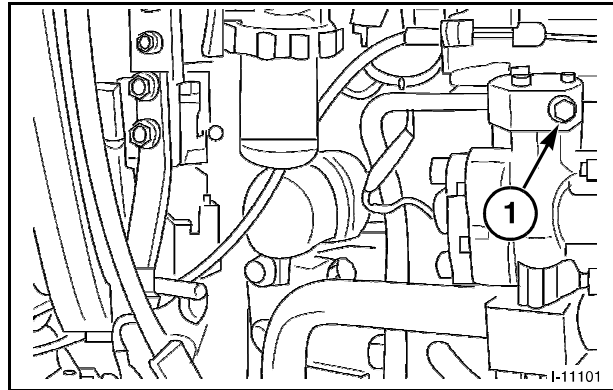


FIG. 129

FIG. 130: Start the tractor and allow to idle several minutes while operating the hydraulic controls. Shut the engine off and lower the three-point hitch. Use the dipstick (1) to check the oil level. Add transmission oil as necessary through the filler opening (2). Check for leaks and correct as necessary.

IMPORTANT: Failure to bleed the hydraulic system can cause pump seizure and/or poor hydraulic system performance.

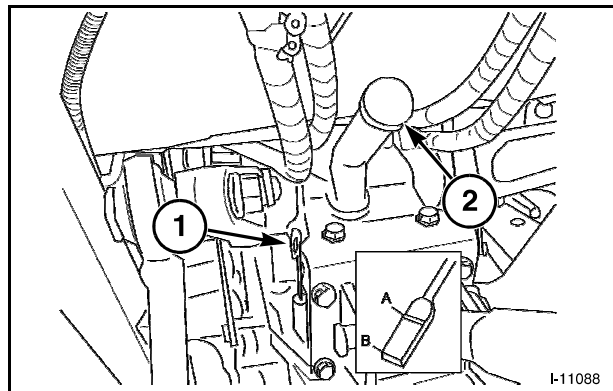


FIG. 130

Front Axle Oil

The front drive axle has a common oil level for the front differential housing and each wheel reduction unit. The oil level should be checked every 150 hours of tractor operation. The oil should be changed every 300 hours of operation.

Check Oil Level

FIG. 131: Park the tractor on level ground and shut off the engine. Remove the oil level plug (1). The oil level must be at or slightly below the level plug opening. If the oil is low, remove the fill plug (2) and add oil until oil is at the level plug opening. Replace the oil level and fill plugs.

Change Oil

With the tractor parked on a level surface and the engine turned off, place suitable catch pans under the drain plugs and remove drain plugs (3) from both wheel reduction units. When all oil has drained, replace drain plugs and fill housing to level plug opening. Replace level plug and fill plug.

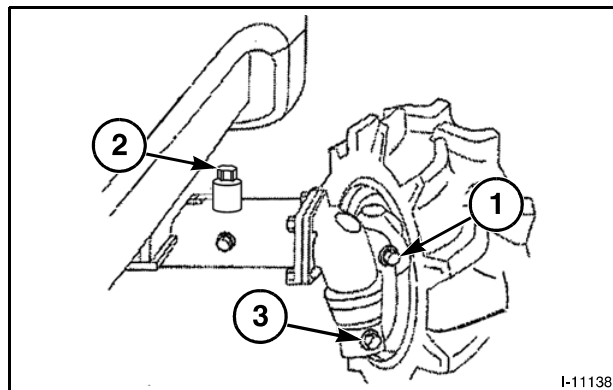


FIG. 131

Neutral Start System



WARNING: DO NOT bypass or modify the neutral switch system. If the neutral switch system does not operate properly, consult your Dealer immediately.

This tractor is equipped with a neutral start system consisting of neutral switches and a relay. To start the tractor, ALL the following is required:

- Operator must be seated in the operator's seat.
- Range shift lever must be in the neutral position (non synchroshuttle only).
- Shuttle lever must be in the neutral position (synchroshuttle only).
- PTO control switch (if equipped) and PTO lever must be in the OFF position.

NOTE: A seat switch is incorporated into the system. The engine stops when the operator leaves the seat when either the PTO is engaged and/or shift lever is not in neutral.

NOTE: All transmission levers must be in neutral when the tractor is started.

Wiring/Fuse Arrangement



CAUTION: Keep all wiring connections clean and tight. Make sure wiring is correctly secured to prevent damage.

DO NOT alter wiring by adding home-made extensions or replacements. Doing so can eliminate fuse protection and/or eliminate safety features of the system.

Tractor is equipped with negative (-) ground system. Tractor metal parts provide many electrical connections. For this reason, all positive (+) circuits must be insulated to prevent grounding or short circuits and prevent possible fire.

DO NOT replace any fuse with a fuse of higher amperage rating. **DO NOT** use wire (or foil) to by-pass fuse protection. Fire can result.

If fuses blow repeatedly, examine electrical system for grounded or shorted circuits.

LUBRICATION AND MAINTENANCE

FIG. 160: To adjust rear tread width, jack tractor sufficiently and securely block in raised position.

To change rim offset - Remove rim (2) from wheel center (1). Rotate wheel center slightly (so rim brackets can move past outer edge of wheel center) and reposition rim on opposite side of wheel center.

Repeat procedure for the other side.

To reverse entire wheel and tire assembly - Raise both rear tires of tractor. Remove bolts securing both rear wheel assemblies to rear axle hubs and switch wheel assemblies to opposite sides of tractor.

Tighten all wheel bolts securely and check after short period of operation.



CAUTION: Rear wheels are heavy. Use care when moving. Make sure tractor is blocked securely.

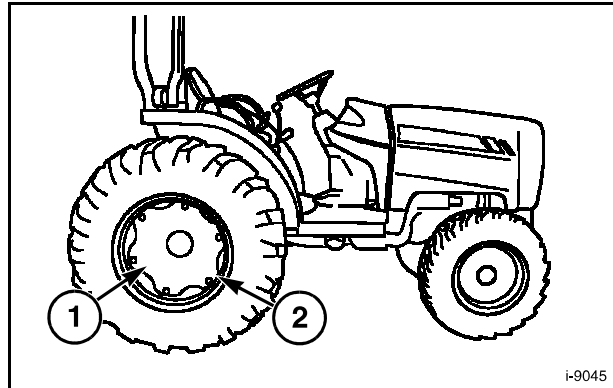


FIG. 160

FIG. 161: Adjustable rear tire settings.

Ref	Tire Type	Tire Size	Setting mm
1	AG	12.4X16 4PR	1115
2		9.5X22 4PR	900
3		9.5X24 6PR	900
4		11.2X24 4PR	1030

Turf Tires

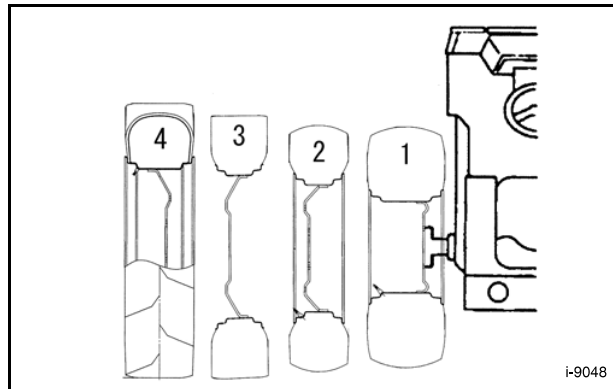


FIG. 161

FIG. 162: Tighten all wheel bolts securely and check after short period of operation.



CAUTION: Rear wheels are heavy. Use care when moving. Make sure tractor is blocked securely.

Tread widths for rear tires

Tire Type	Tire Size	Tread Width - mm
Turf	315/80DX16 4PR	965
Turf	13.6X16 4PR	1000

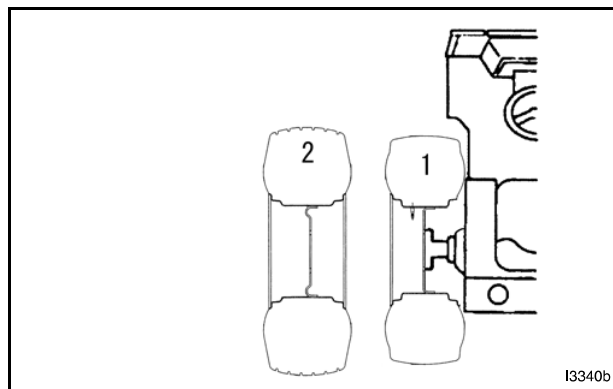


FIG. 162

ELECTRICAL SYSTEM

Problem	Possible Cause	Remedy
Battery cannot be charged	Blown fuse	Check fuse and replace.
	Blown fusible link or defective wiring	Check wiring and replace link.
	Loose or damaged fan belt	Give belt proper tension or replace.
	Defective battery	Correct loose terminal connection, corrosion, or replace battery.
	Defective alternator	Consult your Dealer.
	Defective regulator	Consult your Dealer.
Head lamps are dim	Discharged battery	Charge battery, check charging system
	Poor connections	Check ground points and terminals. Clean and tighten.
Particular function will not operate	Burnt bulb	Replace.
	Blown fuse	Check fuse and replace.
	Blown fusible link	Check wiring and replace link.
	Poor contact	Inspect ground points and terminals, clean if necessary.
	Defective switch	Replace as required.

ASSEMBLY

Tractor is shipped in individual container. The tractor will be partially disassembled to make container as compact as possible. Wheels, fenders, ROPS, steering wheel, lift linkage, drawbar, and some attaching hardware will be removed.

Larger items will be fastened in the container and remainder of items will be shipped in sundry boxes also in container.

Certain areas of tractor may be covered with a thin film of protective wax, which may be removed by steam cleaner and detergent solution during assembly.

Tractors will arrive with battery installed.

IMPORTANT: *Do not commence assembly of this tractor until reading these instructions completely and carefully.*

NOTE: *For certain lubrication, adjustments, etc., refer to appropriate section of this booklet. All nuts, bolts, etc. on these tractors are in metric dimensions.*

6. Right fender:

- a. Remove the strap holding the control lever(s).
- b. Install and secure fender to floor pan and rear upright.
- c. Secure hydraulic control lever guide (quadrant) to inside fender surface. Install using three bolts, lock washers, and flat washers. Install one extra washer on each of the rear inside bolts.
- d. Install knobs on control lever(s).



CAUTION: ROPS (Roll-Over Protective Structure) must be installed. Refer to the procedure that follows.

ASSEMBLING THE TRACTOR



CAUTION: Be observant of components (fenders, ROPS, etc.) that may be attached to, or held in position by container panels.

1. Disassemble the crate.
2. Remove wheels, fenders, and boxes from container.
3. Inspect tractor for damage and any evidence of coolant, fuel or lubricant leaks.
4. Inspect and remove all hardware securing tractor to lower crate panel.
5. Left fender:
 - a. Remove tie strap holding the control levers.
 - b. Install and secure the fender to the floor pan and rear upright support.
 - c. Secure PTO lever bracket and transmission control lever guide (quadrant) to inside fender surface. Install with three bolts, lock washers, and flat washers. Install on extra washer on each of the rear inside bolts.
 - d. Install knobs on control lever(s).

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