DX29, DX33

Tractors

PIN #HBA010001 AND ABOVE

SERVICE MANUAL

87059223

CASE IH AGRICULTURE

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DX29, DX33
REPAIR MANUAL
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PIN #HBA010001 AND ABOVE

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The following pages are the collation of the contents pages from each section and chapter of the DX29 and DX33 Repair manual. Complete Repair part # 87059223.

The sections used through out all Case IH product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the DX29 and DX33 Tractors PIN #HBA010001 and Above.

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BOOK 1 - 87059224

Chapter 1 - General Information

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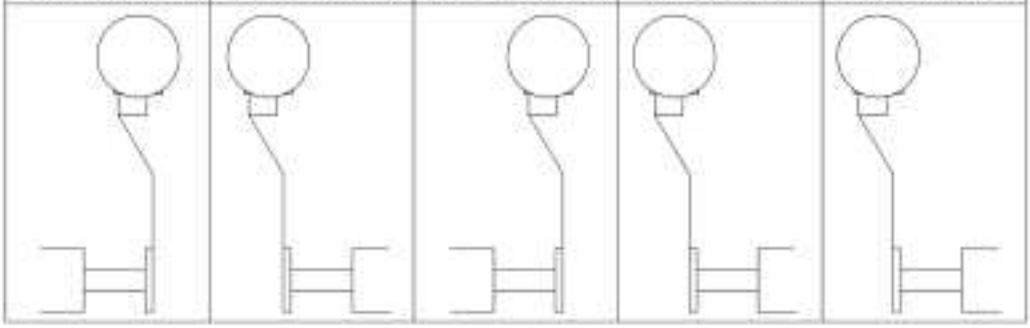
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REAR WHEEL TREAD WIDTH SETTING (ALL MODELS) - cm (Inch)				
AG. TIRE		TURF TIRE		R4 TIRE
11.2-24		13.6-16		15-19.5
1087 mm (42.8")	1217 mm (47.9")	1120 mm (44.1")	1184 mm (46.6")	1184 mm (46.6")
				

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REAR AXLE TREAD SETTING

The rear axle tread setting for all models is shown in Figure 2. The rear wheel tread width is adjusted by a combination of repositioning the rear wheel rims and discs and by switching the wheels from side to side.

NOTE: *Torque rear wheel bolts to 169 N m (125 ft. lbs.).*

TRACTOR WEIGHTING

For sufficient traction and maximum performance in heavy draft operations, and to counterbalance rear-mounted equipment, weight should be added to the tractor in the form of liquid ballast, cast iron weights, or a combination of both. Only enough weight should be added to provide good traction and stability. Adding more weight than is needed results in unnecessary soil compaction, increased rolling resistance, and higher fuel consumption.

NOTE: *When adding weight to the tractor, tire pressures may need to be increased. Refer to the Tire Inflation Pressure chart found in this manual.*

WEIGHTING FOR STABILITY

Front end ballast may be required for stability and steering control when weight is transferred from the front wheels to the rear wheels as an implement is raised by the tractor three-point hitch.

As a general guide:

Ballast the tractor (less implement) so that approximately one-third of the tractor weight is on the front wheels. For optimum traction, tractors equipped with front-wheel drive should be ballasted so that 40-45% of machine weight is on the front wheels.

When a mounted implement is raised to the transport position, the front wheel reaction should be at least 20% of tractor weight.

Add additional front end ballast as required for stability during operation and transport. Tractor front end ballast may not always maintain satisfactory stability if the tractor is operated at high speed on rough terrain. Reduce tractor speed and exercise caution under these conditions.

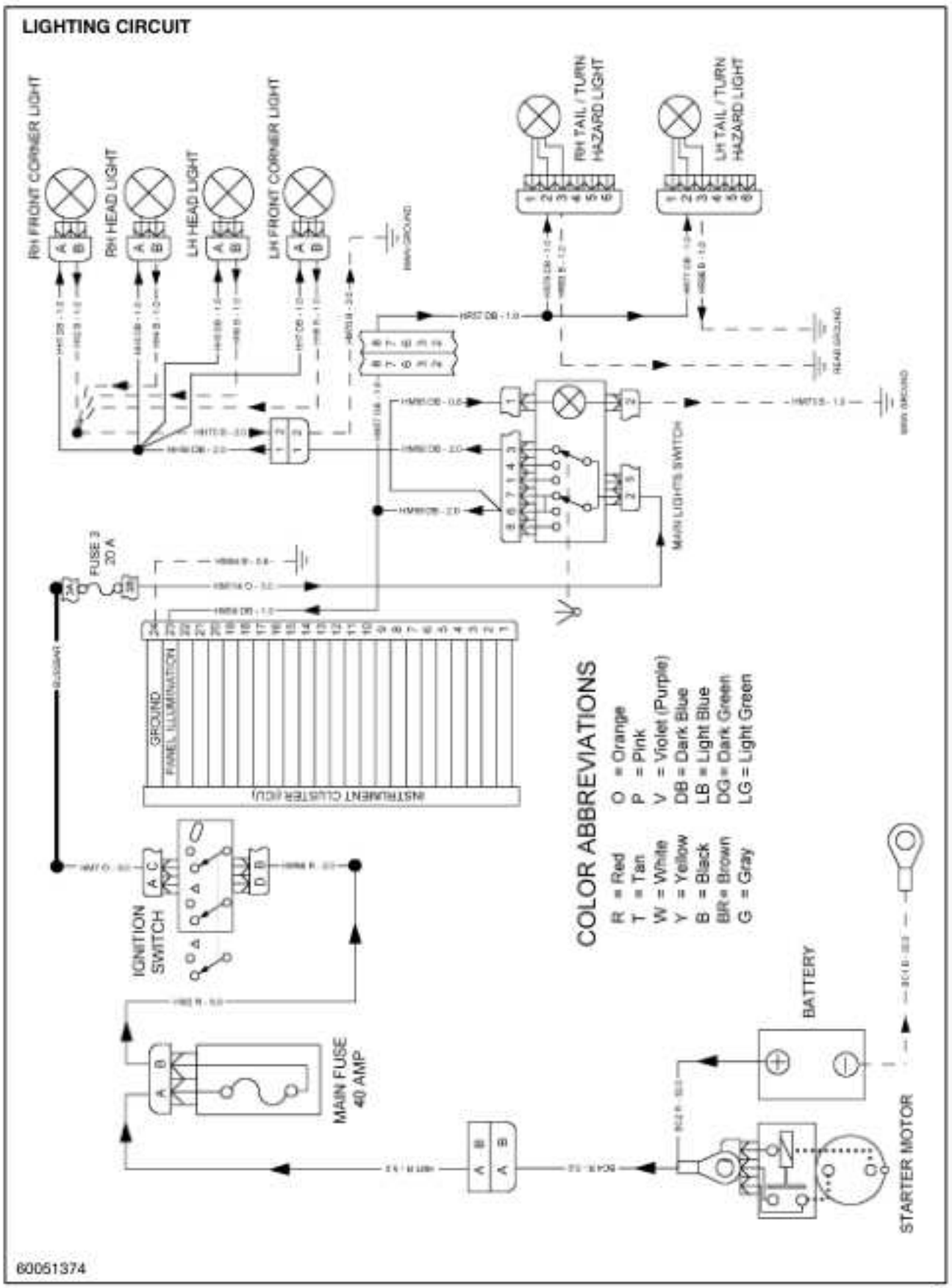
When using front-mounted equipment, add weight to the rear axle to maintain good traction and stability. Front-mounted equipment varies in weight. Refer to equipment manual for ballasting.

WEIGHTING LIMITATIONS

The weighting limitations that follow are limitations only. They do not imply that the tractor should be weighted to attain the weights given. Use only enough weight to obtain good performance.

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LIGHTING CIRCUIT



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TROUBLESHOOTING CRUISE CONTROL CIRCUIT (HST TRANSMISSION)		
CONDITION	**POSSIBLE CAUSE**	**REMEDY**
Cruise control will not maintain speed	Blown 15-amp Fuse (Fuse #4)	Inspect and replace fuse as necessary
	Defective Cruise Control Switch	Test the switch and replace as necessary
	Malfunctioning Cruise Control Latch Relay	Test the relay and replace as necessary
	Malfunctioning Cruise Control Electro-magnet	Test the electromagnet and replace as necessary
	Malfunctioning Cruise Brake Release Switch	Test the switch and replace as necessary
	Improper Ground Circuit	Check connections and circuit grounds and repair as necessary
Cruise control will not stay engaged	Cruise Control Relay Diode Blown in "Open" Mode	Replace diode

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