NEW HOLLAND



TZ18DA
TZ22DA
TZ24DA
TZ25DA
Tractor

REPAIR MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

87350100

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The sections used through out all New Holland 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 TZ18DA, TZ22DA, TZ24DA, TZ25DA Tractors.

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87350101

Chapter 1 - General Information

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87350101

Chapter 1 - General Information (Continued)

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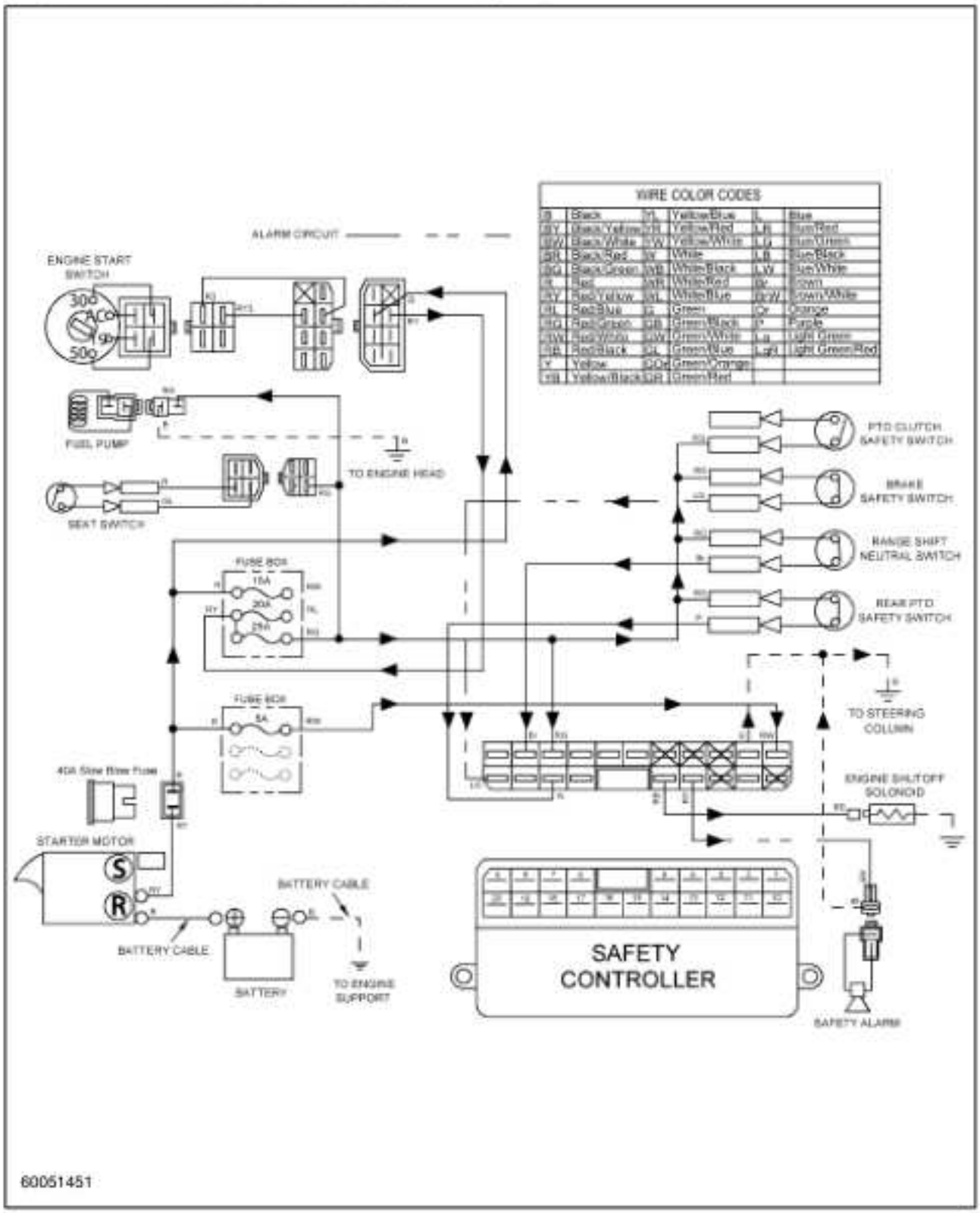
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	Model TZ18DA Hydrostatic	Model TZ22DA Hydrostatic	Model TZ24DA Hydrostatic	Model TZ25DA Hydrostatic
BRAKES				
Type	Wet Disc	Wet Disc	Wet Disc	Wet Disc
2 Discs per Side	134 mm x 94 mm Diameter (5.27" x 3.70")	134 mm x 94 mm Diameter (5.27" x 3.70")	134 mm x 94 mm Diameter (5.27" x 3.70")	134 mm x 94 mm Diameter (5.27" x 3.70")
STEERING				
Type	Power	Power	Power	Power
Pump Flow @ Rated rpm	7 liters/min	7 liters/min	7.2 liters/min	7.2 liters/min
Steering Relief Valve Setting	80 bar (1135 psi)	80 bar (1135 psi)	80 bar (1135 psi)	80 bar (1135 psi)
Turns, Lock-to-Lock:				
FWD	2	2	2	2
Front Wheel Toe-In	0 – 5 mm (0 – 13/64")	0 – 5 mm (0 – 13/64")	0 – 5 mm (0 – 13/64")	0 – 5 mm (0 – 13/64")
Turning Radius:				
FWD	2280 mm (89.8")	2280 mm (89.8")	2280 mm (89.8")	2280 mm (89.8")
Max Turn Angle: FWD	49°	49°	49°	49°
Front to Rear Axle Ratio	1.4974	1.4974	1.4974	1.4974
POWER TAKE-OFF (PTO)				
Type	Live	Live	Live	Live
Shaft:				
Mid PTO	35 mm (1-3/8")	35 mm (1-3/8")	35 mm (1-3/8")	35 mm (1-3/8")
Mid PTO	25.4 mm (1")	25.4 mm (1")	25.4 mm (1")	25.4 mm (1")
Engine Speed for 540 rpm				
Rear PTO Operation	2992 rpm	2992 rpm	2992 rpm	2992 rpm
Engine Speed for 2200 rpm				
Mid PTO Operation	3020 rpm	3020 rpm	3020 rpm	3020 rpm
Horsepower PTO Observed	13.7 (HST)	16.7 (HST)	18.0 (HST)	18.0 (HST)
HYDRAULIC LIFT SECTION				
Type	Open Center	Open Center	Open Center	Open Center
Pump Type	Gear	Gear	Gear	Gear
Pump Capacity	14.2 L/min (3.8 U.S. gpm)	14.6 L/min (3.9 U.S. gpm)	14.6 L/min (3.9 U.S. gpm)	14.6 L/min (3.9 U.S. gpm)
System Relief Valve Setting	130 bar (1849 psi)	130 bar (1849 psi)	130 bar (1849 psi)	130 bar (1849 psi)
Number of Remotes Available	1	1	1	1

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SAFE OPERATION CIRCUIT (NO OPERATOR PRESENT)
TZ18DA - PIN # HB20001 and Above, TZ22DA, TZ25DA



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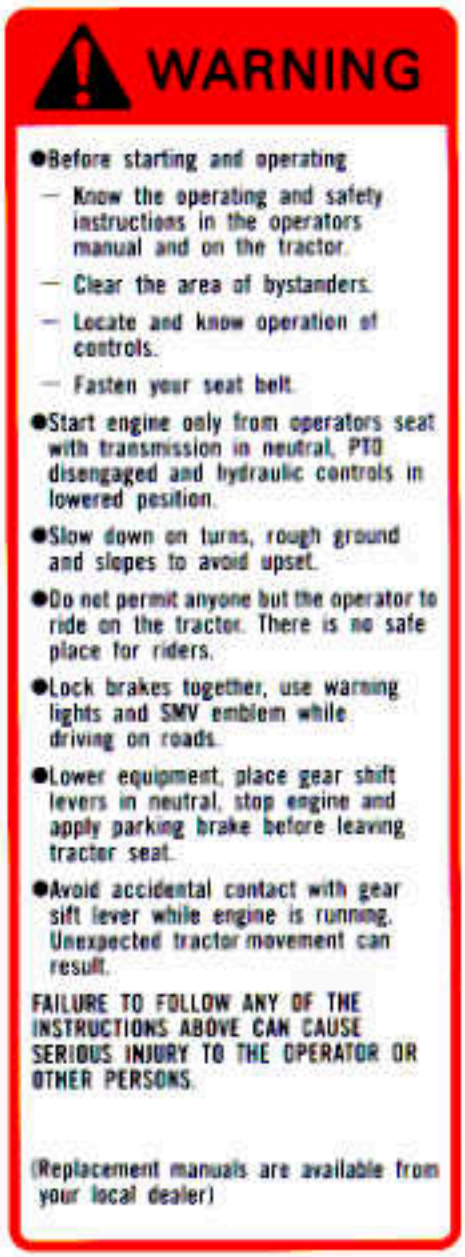
TROUBLESHOOTING CHARGING CIRCUIT		
CONDITION	**POSSIBLE CAUSE**	**REMEDY**
Battery charge light remains illuminated	Short circuit to ground between alternator and warning lamp	Check the wire harness and repair if necessary
	Faulty alternator component	Test alternator and replace if necessary
Battery charge light does not illuminate	Faulty bulb	Check bulb and replace
	Blown 25-amp fuse	Replace 25-amp fuse
	Diode failed in open mode	Replace diode
	Loose connections	Check connectors
Low/dead battery, hard starting or dim light	Continuity fault in external wiring	Check wiring harness and repair if necessary
	Battery charge under 75%	Check battery charge with hydrometer, charge or replace as necessary
Battery failure, frequent burnout of lamps and fuses	Fan belt slippage	Check fan belt tension (1/2" - 3/4" deflection); tighten if necessary
	Loose connectors	Check connectors
	Overcharging	Check voltage and replace alternator if necessary
	Short circuit from alternator to ground	Check wiring and connections, repair if necessary

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SAFETY DECALS

The following safety decals have been placed on your machine in the areas indicated. They are intended for your personal safety and for those working with you. Please take this manual and walk around your machine to note the content and location of these warning signs. Review these warning signs and the operating instructions detailed in this manual with your machine operators.

Keep the decals legible. If they are not, obtain replacements from your authorized dealer. The decal replacement part numbers are listed with each decal.



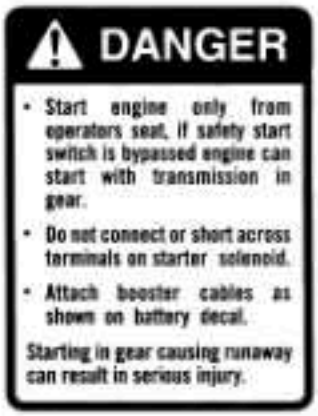
WARNING: Before Starting and Operating
PART NO: SBA390198380
LOCATION: In Front of Operator's Seat
Left Side of Platform



WARNING: Pull Only From Drawbar
PART NO: SBA390198910
LOCATION: Top of PTO Shield



WARNING: Do Not Operate With Shield Removed
PART NO: SBA390198480
LOCATION: Inside of Engine Side Shields



DANGER: Start Engine Only from Operator's Seat
PART NO: SBA190196683
LOCATION: On the Starting Motor

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