380B & 85 Series TRACTOR

Service Manual

8-58601

MidWestTech | Case 380B, 385, 485, 585, 685, 885 Tractor Service Manual | Publication 8-58601

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Transmissions

BASIC

Type ..... 4 Speed Synchromesh with High/Low Ranges and Reverse
Number of Gears ..... 8 Forward, 4 Reverse
Controls ..... 2 Levers

OPTIONAL (Not 885/885XL)

Type ..... Forward/Reverse
Same as Synchromesh, plus a Hydraulically Operated Forward and an Increased Speed Reverse
Number of Gears ..... 8 Forward, 8 Reverse
Controls ..... 3 Levers

OPTIONAL

Type ..... 2 Speed Power Shift
Same as Synchromesh, Plus Hydraulically Operated Speed Decrease in all Gears
Number of Gears ..... 16 Forward, 8 Reverse
Controls ..... 2 Levers and an Electrical Switch

Foot Brakes

Type ..... Hydraulic, Self Adjusting, Oil Cooled Discs

	U.S Value	Metric Value
Disc Diameter	10 in	254 mm

Hydraulic System

Type ..... Independent, with Fully Live Hydraulic Pump in the Transmission
Operating Pressure ..... 175 kg/cm^2 (2500 lb/in^2)

Steering

Type ..... Hydrostatic

Turning Radius with Brake Assistance:	2WD	132 in	3352 mm
(with MFD engaged)	MFD	146 in	3708 mm
Turning Radius without Brake Assistance:	2WD	151 in	3835 mm
(with MFD engaged)	MFD	171 in	343 mm

Differential Lock

Type ..... Mechanical Actuated by the Operators Right Foot

Hitch system

Type of Sensing ..... Upper Link
Type of Control ..... Hand Lever
Type of Valve ..... Four-Position, Hold, Lift, Lower, and Float
Type of Draft Arms ..... Rigid, Swing Type, Manual Float Adjuster
Type of Hitch 385and 485 ..... Three Point, Catergory one and Two
585, 685 and 885 ..... Three Point, Category Two
Quick Hitch Coupler (Available)

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385 SPECIFICATIONS

General

Diesel Engine Model	D 155
Number of Cylinders	3
Firing Order	1-3-2
Engine Speeds	
Rated	2200 r/min
Low Idle	700 ± 50 r/min
Static Timing (BTDC)	10 Degrees

	U.S Value	Metric Value
Bore	3.87 in	98.4 mm
Stroke	4.37 in	111.1 mm
Displacement	155 in^3	2536 cm^3
Valve Clearances (hot)		
Inlet	0.012 in	0.30 mm
Exhaust	0.012 in	0.30 mm

Fuel System

Injection Nozzle type	DLLA 150S 836
Nozzle Holder type	KBEL 84S 4/13

Lubrication System

Crankcase Capacity (including filter)	13.2 UK pints	2 U.S. gal	7.5 litre
Oil Pressure	40 to 60 PSI		275 to 414 kPa

Cooling System

Cooling System Capacity (including heater)	2.5 UK gal	3 U.S. gal	11.4 litre

Drawbar Heights

Swinging Drawbar Top	13.9 in / 353 mm
Automatic Hitch Drawbar	15.6 in / 396 mm
Automatic Hitch Hook	13.2 in / 335 mm

Hydraulic System

Pump Output at Rated Engine Speed of 2200 r/min	
with 27 Tooth Drive Gear	10 UK or 12 U.S. gal min / 46 litre min
with 23 Tooth Drive Gear	12 UK or 14 4 U.S. gal min / 54 litre min
with 21 Tooth Drive Gear	13 UK or 15.6 U.S. gal min / 59 litre min
Maximum Lift Capacities	
Lower Links horizontal	3700 lb / 1680 kg
Through range of 780 mm (31 in)	3100 lb / 1400 kg
Lower Link Length	28.95 in / 735 mm

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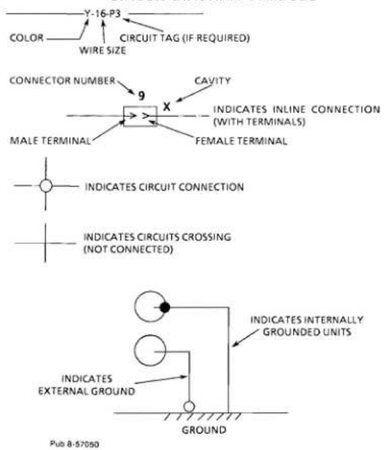
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LEGEND TO WIRING DIAGRAM

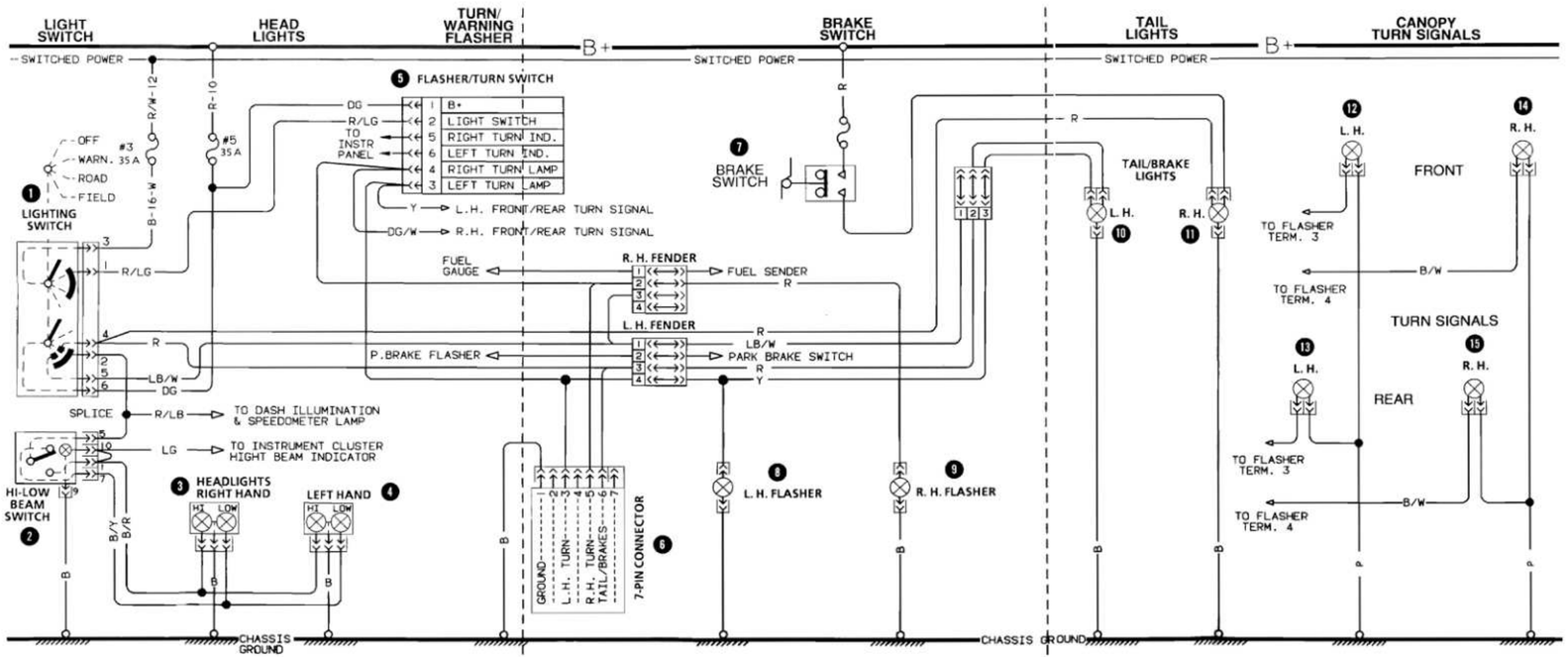
1. Lighting Switch
2. Hi-Low Beam Switch
3. Right Hand Headlight
4. Left Hand Headlight
5. Flasher/Turn Switch
6. 7-Pin Connector
7. Brake Switch (If fitted)
8. Left Hand Flasher
9. Right Hand Flasher
10. Left Hand Tail/Brake Lights
11. Right Hand Tail/Brake Lights
12. Left Hand Front Turn Signal
13. Left Hand Rear Turn Signal
14. Right Hand Front Turn Signal
15. Right Hand Rear Turn Signal

NOTE: *# 3 This symbol beside a fuse indicates the position of the fuse on the fuse panel. (See page 3)*

CIRCUIT DIAGRAM SYMBOLS



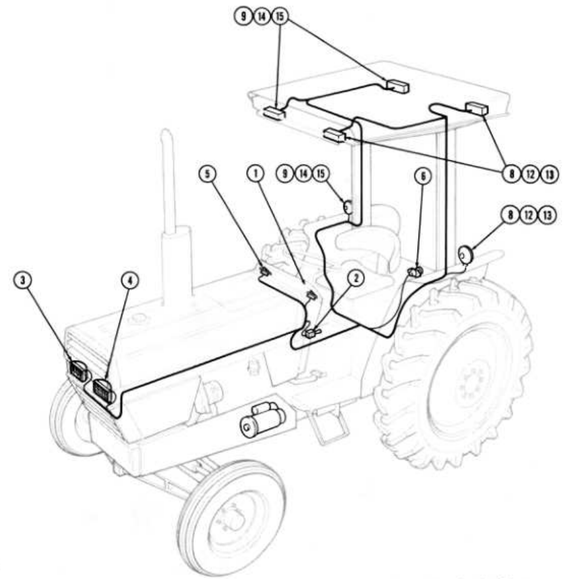
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WIRING DIAGRAM

4210-9

Circuits for Light Switch, Head Lights, Turn/Warning Flasher and Canopy Turn Signals



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