

# 9310 and 9330 Tractor Service Manuals

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CASE CORPORATION  
700 State Street  
Racine, WI 53404 U.S.A

CASE CORPORATION  
450 Sherman Avenue  
Hamilton, ON L8N 4C4 CANADA

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# LOCTITE PRODUCT CHART

Product	Color	Similar Products	Gap (In Inches)	Strength (Steel/Steel)	Working Temperature Range-Fahrenheit	Fixture/Full Cure (Steel/Steel) Time	Primer	Description
#3	Dark Brown					24 hr	N/A	Form a Gasket (works with oil, fuel or grease) Pliable
80	Yellow					Fast	N/A	Weatherstrip Adhesive
123	Clear					N/A	N/A	Parts Cleaner Fluid
220	Blue	290	0.003	57/143 in lbs	-65 to +250	6 min/24 hrs	747	Wicking Threadlocker
221	Purple	222	0.005	75/44 in lbs	-65 to +300	2 min/24 hrs	747	Low Strength Threadlocker
222	Purple		0.005	53/30 in lbs	-65 to +300	20 min/24 hrs	764	Low Strength Threadlocker (Small Screws)
225	Brown	222	0.010	45/25 in lbs	-65 to +300	7 min/24 hrs	747	Low Strength Threadlocker
242	Blue		0.005	80/50 in lbs	-65 to +300	10 min/24 hrs	764	Medium Strength Threadlocker
262	Red	271	0.005	160/190 in lbs	-65 to +300	5 min/24 hrs	747	High Strength Threadlocker
270	Green	271	0.007	160/320 in lbs	-65 to +300	3 min/24 hrs	747	High Strength Threadlocker
271	Red	262	0.007	160/320 in lbs	-65 to +300	10 min/24 hrs	764	High Strength Threadlocker
272	Red	620	0.007	180/220 in lbs	-65 to +450	30 min/24 hrs	764	High Temperature, High Strength
275	Green	277	0.010	210/300 in lbs	-65 to +300	3 min/24 hrs	747	High Strength Threadlocker
277	Red		0.010	225/300 in lbs	-65 to +300	60 min/24 hrs	764	High Strength Threadlocker
290	Green		0.003	85/350 in lbs	-65 to +300	6 min/24 hrs	764	Wicking Threadlocker
*404	Clear	495	0.006	3200 psi	-65 to +180	30 sec/24 hrs	NA	Instant Adhesive
*406	Clear		0.004	3200 psi	-65 to +180	15 sec/24 hrs	N/A	Surface Insensitive Adhesive
*409	Clear	454	0.008	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gel Instant Adhesive
*414	Clear		0.006	2500 psi	-65 to +180	30 sec/24 hr	N/A	Instant Adhesive
*415	Clear	454	0.010	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gap Filling Instant Adhesive (Metals)
*416	Clear	454	0.010	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gap Filling Instant Adhesive (Plastics)
*420	Clear		0.002	2500 psi	-65 to +180	15 sec/24 hrs	N/A	Wicking Instant Adhesive
*422	Clear	454	0.020	2800 psi	-65 to +180	60 sec/24 hrs	N/A	Gap Filling Instant Adhesive
*430	Clear		0.005	2500 psi	-65 to +180	20 sec/24 hrs	N/A	Metal Bonding Adhesive
*445	White/Black		0.250	2000 psi	-65 to +180	5 min/24 hrs	N/A	Fast Setting 2 Part Epoxy
*454	Clear		0.010	3200 psi	-65 to +180	15 sec/24 hrs	N/A	Surface Insensitive Gen Instant Adhesive
*495	Clear		0.004	2500 psi	-65 to +180	20 sec/24 hrs	N/A	General Purpose Instant Adhesive
*496	Clear		0.005	2500 psi	-65 to +180	20 sec/24 hrs	N/A	Metal Bonding Adhesive
504	Brn Orange	515	0.030	750 psi	-65 to +300	90 min/24 hrs	None	Rigid Gasket Eliminator
509	Light Blue		0.020	750 psi	-65 to +320	6 hr/72 hrs	764	Flange Sealant
510	Red		0.020	1000 psi	-65 to +400	30 min/24 hrs	764	High Temperature, Gasket Eliminator
515	Purple		0.010	750 psi	-65 to +300	1 hr/24 hrs	764	Gasket Eliminator 515

Rac 8-98902 \* Products 404-496 (except for #445) are all instant adhesives (super glues) they differ mostly in viscosity

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# LOCTITE PRODUCT CHART

Product	Color	Similar Products	Gap (In Inches)	Strength (Steel/Steel)	Working Temperature Range-Fahrenheit	Fixture/Full Cure (Steel/Steel) Time	Primer	Description
518	Red	515	0.030	500psi	-65 to +300	1 hr/24 hrs	764	Gasket Eliminator 518 for Aluminum
542	Brown	569	N/A	132/92 in lbs	-65 to +300	2 hr/24 hrs	747	Hydraulic Sealant
545	Purple		N/A	25/20 in lbs	-65 to +300	4 hr/24 hrs	747	Low Strength Pneumatic/Hydraulic Sealant
549	Orange	504	0.020	2500 psi	-65 to +300	2 hr/24 hrs	747	Instant Seal Plastic Gasket
554	Red	277	0.015	240/240 in lbs	-65 to +300	2 to 4 hrs/24 hrs	764	Refrigerant Sealant
567	White	592	N/A	500 psi	-65 to +400	4 hrs/24 hrs	764	Pipe Sealant for Stainless Steel
568	Orange	277	0.015	2500 psi	-65 to +300	12 hrs/24 hrs	764	Plastic Gasket
569	Brown	545	0.010	40/25 in lbs	-65 to +300	1 hr/24 hrs	764	Hydraulic Sealant
570	Brown	592	N/A	25/40 in lbs	-65 to +300	6 hrs/72 hrs	764	Steam Sealant
571	Brown	592	0.015	40/20 in lbs	-65 to +300	2 to 4 hrs/24 hrs	764	Pipe Sealant
572	White	578.575	N/A	80/27 in lbs	-65 to +300	24 hrs/72 hrs	None	Gasketing
592	White		0.020	500 psi	-65 to +400	4 hrs/72 hrs	736	Pipe Sealant with Teflon
593	Black		0.250	400 psi	-95 to +400	30 min/24 hrs	N/A	RTV Silicone
601	Green	609	0.005	3000 psi	-65 to +300	10 min/24 hrs	764	Current PIN #609
609	Green		0.005	3000 psi	-65 to +300	10 min/24 hrs	764	General Purpose Retaining Compound
620	Green	640	0.015	3000 psi	-65 to +450	30 min/24 hrs	747	High Temperature Retaining Compound
635	Green	680	0.010	4000 psi	-65 to +300	1 hr/24 hrs	747	High Strength Retaining Compound
638	Green	680	0.015	4100 psi	-65 to +300	10 min/24 hrs	747	High Strength Retaining Compound
640	Green	620	0.007	3000 psi	-65 to +400	1 hr/24 hrs	747	High Temperature Retaining Compound
660	Silver		0.020	3000 psi	-65 to +300	20 min/24 hrs	764	Quick Metal
675	Green	609	0.005	3000 psi	-65 to +300	20 min/24 hrs	747	General Purpose Retaining Compound
680	Green	635	0.015	4000 psi	-65 to +300	10 min/24 hrs	747	High Strength Retaining Compound
706	Clear	755	N/A	N/A	N/A	N/A	N/A	Cleaning Solvent
707	Amber		N/A	N/A	N/A	N/A	N/A	Activator for Structural Adhesives
736	Amber		N/A	N/A	N/A	N/A	N/A	Primer NF
738	Amber		N/A	N/A	N/A	N/A	N/A	Depend Activator
747	Yellow	N/A	N/A	N/A	N/A	N/A	N/A	Primer T
751	Clear		N/A	N/A	N/A	N/A	N/A	Activator for Structural Adhesives
755	Clear		N/A	N/A	N/A	N/A	N/A	Cleaning Solvent
764	Green		N/A	N/A	N/A	N/A	N/A	Primer N
767	Silver		N/A	N/A	-65 to +1600	N/A	N/A	Anti-Seize Lubricant

# Section

# 1001

## GENERAL INFORMATION AND SPECIFICATIONS

For 9310 - 9330 Series Tractor

CASE CORPORATION  
700 State Street  
Racine, WI 53404 U.S.A.

CASE CANADA CORPORATION  
3350 South Service Road  
Burlington, ON L7N 3M6 CANADA

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




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**NOTE:** Case Corporation reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

## GENERAL TORQUE SPECIFICATION TABLE SAE FASTENER TORQUE CHART




**NOTE:** Use these torques, unless special torques are specified. Values are for UNC and UNF thread fasteners, plated or unplated, as received from supplier. Fasteners can be dry or lubricated with normal engine oil. Values do not apply if graphite, moly-disulphide or other extreme pressure lubricant is used.

SAE Grade No.	2				5				8*					
Bolt head identification (See Note 1)														
Bolt Size	LB FT		Nm		LB FT		Nm		LB FT		Nm			
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
1/4	5	6	7	8	9	11	12	15	12	15	16	20		
5/16	10	12	14	16	17	20.5	23	28	24	29	33	39		
3/8	20	23	27	31	35	42	48	57	45	54	61	73		
7/16	30	35	41	47	54	64	73	87	70	84	95	114		
1/2	45	52	61	70	80	96	109	130	110	132	149	179		
9/16	65	75	88	102	110	132	149	179	160	192	217	260		
5/8	95	105	129	142	150	180	203	244	220	264	298	358		
3/4	150	185	203	251	270	324	366	439	380	456	515	618		
7/8	160	200	217	271	400	480	542	651	600	720	814	975		
1	250	300	339	406	580	696	787	944	900	1080	1220	1464		
1-1/8					800	880	1085	1193	1280	1440	1736	1953		
1-1/4					1120	1240	1519	1681	1820	2000	2468	2712		
1-3/8					1460	1680	1980	2278	2380	2720	3227	3688		
1-1/2					1940	2200	2631	2983	3160	3560	4285	4827		

**NOTE:** Bolt head identification marks as per grade. Manufacturing marks will vary. \*Thick nuts must be used with Grade 8 bolts.

## METRIC FASTENER (ISO) TORQUE CHART

**NOTE:** Use these torques, unless special torques are specified. Values are for UNC and UNF thread fasteners, plated or unplated, as received from supplier. Fasteners can be dry or lubricated with normal engine oil. Values do not apply if graphite, moly-disulphide or other extreme pressure lubricant is used.

ISO Grade No.	8.8				10.9				12.9			
Bolt head identification (See Note 1)												
Bolt Size	LB FT		Nm		LB FT		Nm		LB FT		Nm	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
M4	3	4	2	3	4	5	3	4				
M5	6.5	8	5	6	9.5	11	7	8				
M6	10.5	12	8	9	15	17.5	11	13				
M8	26	31	19	23	37	43	27	32				
M10	52	61	38	45	73	87	54	64				
M12	90	107	66	79	125	150	93	112				
*M14	144	172	106	127	200	245	149	179				
M16	217	271	160	200	310	380	230	280				
M20	434	515	320	380	610	730	450	540				
M24	675	815	500	600	1050	1275	780	940				
M30	1250	1500	920	1100	2000	2400	1470	1770				
M36	2175	2600	1600	1950	3500	4200	2580	3090				

Because of the low ductility of these fasteners, the torque range is to be determined individually for each application. As a general rule, the torque ranges specified for grade 10.9 fasteners can be used satisfactorily on

\*M14 is not a preferred size

**NOTE:** Bolt head identification marks as per grade. Manufacturing marks will vary.

## STANDARD TORQUE DATA FOR HYDRAULIC TUBES AND FITTINGS

TUBE NUTS FOR 37° FLARED FITTINGS								O-RING BOSS PLUGS, ADJUSTABLE FITTING LOCK NUTS, SWIVEL JIC - 37° SEATS			
SIZE	TUBING O.D.		THREAD SIZE	LB FT		Nm		LB FT		Nm	
	Inches	mm		Min	Max	Min	Max	Min	Max	Min	Max
4	1/4	6.4	7/16-20	9	12	12	16	6	10	8	14
5	5/16	7.9	1/2-20	12	15	16	20	10	15	14	20
6	3/8	9.5	9/16-18	21	24	29	33	15	20	20	27
8	1/2	12.7	3/4-18	35	40	47	54	25	30	34	41
10	5/8	15.9	7/8-14	53	58	72	79	35	40	47	54
12	3/4	19.1	1-1/16-12	77	82	104	111	60	70	81	95
14	7/8	22.2	1-3/16-12	90	100	122	136	70	80	95	109
16	1	25.4	1-5/16-12	110	120	149	163	80	90	108	122
20	1-1/4	31.8	1-5/8-12	140	150	190	204	95	115	129	156
24	1-1/2	38.1	1-7/8-12	160	175	217	237	120	140	163	190
32	2	50.8	2-1/2-12	225	240	305	325	250	300	339	407

Above torque figures are recommended for plain, cadmium or zinc plated fittings, dry or wet installations and swivel nuts either swaged or brazed. These torques are not recommended for tubes 1/2 inch (12.7 mm) O.D. and larger with wall thickness of 0.035 inch (0.889 mm) or less. The torque is specified for 0.035 inch (0.889 mm) wall tubes on each application individually.



# FLUID CAPACITIES AND TYPES

All fluid capacities listed are a guide to the quantities required. Always use dipsticks or level plugs to ensure that the units are filled to the correct level.

## ENGINE

- Crankcase Capacity..... 22 quarts (21.0 L)
- Oil Type..... Case No. 1 Multi-Viscosity Engine Oil
- Cooling system Capacity (9110)..... 6.5 U.S. gallons (25.0 L)
- Cooling system Capacity (9130) ..... 7.25 U.S. gallons (28 L)
- Fluid Type..... 50 Percent Ethylene Glycol and Water

## ADJUSTABLE AXLE (Bar Type)

- Oil Capacity..... 9.0 U.S. gallons (34.0 L)
- Oil Type.....Hy-Tran Plus

## TRANSMISSION

- Oil Capacity (with filter)..... 9.5 U.S. gallons (36.0 L)
- Oil Type.....Hy-Tran Plus

## HYDRAULIC SYSTEM

- Reservoir Capacity ..... 18 U.S. gallons (68 L)
- Oil Type.....Hy-Tran Plus

## PTO DROP BOX

- Oil Capacity ..... 1.7 U.S. quarts (1.6 L)
- Oil Type.....Hy-Tran Plus

## BRAKE SYSTEM

- Oil Capacity ..... 1 U.S. quarts (0.946 L)
- Oil Type..... SAEJ1703 (DOT 3)

## FUEL SYSTEM

- Oil Capacity ..... 115 U.S. gallons (435 L)
- Oil Type.....Hy-Tran Plus

# SPECIFICATIONS

## TRANSMISSION

Model..... Full PowerShift  
 Type ..... 12 Forward and 2 Reverse  
 Shift Control..... Electrically Controlled with Hydraulically Actuated Clutches

## BRAKES

Type ..... Hydraulic Operated, single caliper, disc  
 Disc Size ..... 15 inch (381 mm)  
 Park Brake ..... Hand Lever Actuated

## AXLE

Model..... K693 Adjustable Bar  
 Type..... Single Reduction Inboard Planetary, Spiral Bevel Ring Gear and Pinion  
 Bar Diameter..... 4 inch (101.6 mm)  
 Bar Length ..... 119.5 inch (3 035.3 mm)  
 Ratio ..... 25.283:1

## POWER TAKEOFF (If Equipped)

Type..... Live Independent System Integral with Transmission  
 Clutch Type..... Modulatable, Hydraulic  
 Control..... Hand Lever Actuated  
 Rotation (from rear of tractor)..... Clockwise  
 Shaft Size ..... 1.75 inch Diameter, 20 Splines  
 Speed ..... 1000 RPM at 2100 Engine RPM

## HYDRAULIC SYSTEM

Type..... Closed Center, Load Sensing, Pressure Compensating  
 Steering ..... Full Priority, System  
 Remote Valve..... Closed Center Stack Type With Float Position and Flow Control  
 Pump Capacity at 2200 RPM ..... 28 GPM (109.0 L/min)  
 Maximum System Pressure..... 2900 PSI (197 Bar)  
 Couplings..... ISO Standard Lever Type

## HITCH SYSTEM

Type Hitch..... Category III  
 Hitch Coupler ..... Category III  
 Hitch Control..... Hand Lever Actuated, Electronic Position Control System  
 Hitch Valve ..... 3-Position, Lift, Hold and Lower  
 Lift Capacity 24 inches back (OECD static) ..... 12750 lb (5783 Kg)

## DIESEL ENGINE

<b>Engine Make</b> .....	Case
Model	
9310 .....	6T8.3
9330 .....	6TA8.3
Type .....	In-Line Six Cylinder, Four Stroke Cycle
Displacement .....	504.5 Cubic Inch (8.27 L)
Cylinder Sleeves .....	Removable, Wet Type
Bore .....	114 mm
Stroke .....	(135 mm)
Governed Speed (No load) .....	2350 to 2500 RPM
Rated Speed .....	1700 to 2200 RPM
Idle Speed .....	800 to 1000 RPM
Engine Operating Torque	
9310 at 2100 RPM .....	475 lb ft (644 Nm)
9330 at 2100 RPM .....	550 lb ft (746 Nm)
Torque Rise .....	30%
Compression Ratio .....	16.5:1
Firing Order .....	1-5-3-6-2-4
Valve Setting (cold)	
Intake .....	0.30 mm
Exhaust .....	0.61 mm
Number of Flywheel Teeth .....	138
Oil Pressure (warm at 2100 RPM) .....	43 to 54 PSI (296 to 372 kPa)
Air Induction System .....	Dry Type, 2 Stage Aspirator
Fuel Injection Pump	
9310 .....	Robert Bosch, Type A
9330 .....	Robert Bosch, Type MW
Thermostat .....	180 to 202°F (82 to 94° C)
Radiator Cap .....	7 PSI (62 kPa)

## ELECTRICAL SPECIFICATIONS

Type of System .....	12 Volt Negative Ground
Batteries .....	Two 12 Volt, 625 CCA Hybrid Batteries, Group Size 31
Alternator .....	Delco Remy, 125 Amp
Cranking Motor .....	Nippendenso, 12 Volt, 4 kw

### LAMPS AND BULBS

Sealed Beam Lamps	
Headlamps .....	H6545
Flood Lamps .....	74595

### LAMPS

Tail Lamps .....	168
Warning Lamps .....	1156
Gauge Panel .....	1893
Dome Lamp .....	1141
Console Lamp .....	168
Instrument Cluster .....	194

**CIRCUIT BREAKERS (Overhead Console)**

Cab Field Lamps .....	30 Amp
Rear Field Lamps .....	30 Amp
HVAC System .....	40 Amp
Head Lamps .....	15 Amp
Tail Lamps .....	5 Amp
Dome Lamp and Cigar Lighter .....	20 Amp
Ignition Switch B1 and Radio .....	15 Amp
Front Windshield Wiper and Washer .....	10 Amp
Auxiliary Power .....	30 Amp
Ignition Switch B2 .....	15 Amp
Ignition Switch B3 .....	20 Amp
Warning Lamp Flasher Module .....	20 Amp
Front Frame Field Lamps .....	15 Amps

**CIRCUIT BREAKERS RH CONSOLE**

Air Seat .....	15 Amp
PowerShift Solenoid .....	10 Amp
Three Point Hitch .....	5 Amp
Differential Lock .....	30 Amp
Steerable Axle Controller .....	15 Amp

**APPROXIMATE TRACTOR SHIPPING WEIGHTS**

Model 9310 Tractor with 18.4 x 38R1 Tires,  
Steerable Front Axle, PTO and  
Three Point Hitch with Quick Coupler

Single Tires .....	21 530 lbs (9 775 kg)
Hub Style Duals .....	24 518 lb (11 107 kg)

Model 9330 Tractor with 18.4 x 38R1 Tires,  
Steerable Front Axle, PTO and Three Point  
Hitch with Quick Coupler

Single Tires .....	21 530 lbs (9 775 kg)
Hub Style Duals .....	24 518 lbs (11 107 kg)

**NOTE:** *Estimated shipping weights listed are less fuel, operator or other operational equipment.*

**MAXIMUM TRACTOR OPERATING WEIGHT**

The maximum recommended tractor operating weight includes the operator, tractor, tractor equipment and ballast. The maximum weight is with a 60% front and 40% rear static weight distribution.

Maximum Tractor Operating Weight .....	26 000 lbs (11 778 kg)
--	------------------------

## WHEEL BOLT TORQUES

Split bushing to Hub Bolts (Dry)..... 256 to 289 lb ft (347 to 392 Nm)  
 \*Wheel Disc Bolts to Split Bushing Hub (Dry)..... 510 to 590 lb ft (692 to 800 Nm)  
 \*390 to 430 lb ft (529 to 583 Nm) when lubricated with engine oil.

**IMPORTANT:** Tighten wheel bolts after the first 3 hours of operation and every 10 hours until the correct torque is maintained. Retorque wheels every 250 hours of operation on tractors used for high vertical drawbar load applications such as scrapers, planters, potato and beet harvesters, grain carts, etc.

## TRAVEL SPEEDS

### MPH/KPH at Rated Engine Speed

The following travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

#### 12 Speed Power Shift

Gear	MPH	KPH
1	2.0	3.3
2	2.5	3.9
3	3.0	4.9
4	3.7	5.9
5	4.4	7.1
6	5.5	8.8
7	6.5	10.5
8	7.8	12.5
9	9.6	15.4
10	11.7	18.9
11	14.1	22.7
12	17.3	27.9
R1	2.7	4.3
R2	4.8	7.8
R3	8.5	13.7

To determine speed for other tire sizes use the following chart multipliers:

Average Static Loaded R.R.	Tire Size	Factor
30.7	20.8 x 34 R1	0.96
33.5	20.8 x 38 R2	1.05
33.7	18.4 x 42 R1	1.05
34.6	20.8 x 42 R1	1.09
33.0	30.5L x 32 R2	1.03
32.5	30.5L x 32 LS2	1.02

#### Example of Use:

If ground speed was 14.1 MPH (22.6 KPH) and tractor was equipped with 20.8 x 34 R1 tires,

Then: MPH/KPH = (Ground Speed) x (Factor)

$$\text{MPH} = 14.1 \times 0.96 = 13.5 \text{ MPH}$$

$$\text{KPH} = 22.6 \times 0.96 = 21.7 \text{ KPH}$$

### MPH/KPH at Other Engine Speeds

To determine travel speed for other than rated engine speed, use the following formula:

$$\text{MPH/KPH} = \frac{(\text{Ground Speed}) \times \text{Engine RPM}}{\text{Rated RPM}}$$

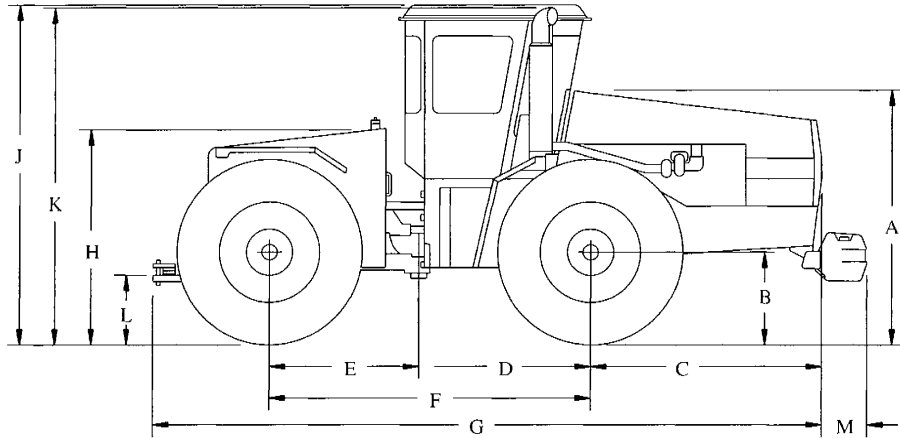
#### Example:

If chart speed was 14.1 MPH (22.6 KPH) and tractor has engine with rated speed of 2100 RPM and MPH/KPH wanted at 1800 RPM,

$$\text{Then: MPH} = \frac{14.1 \times 1800}{2100} = 12.0 \text{ MPH}$$

$$\text{KPH} = \frac{22.6 \times 1800}{2100} = 19.4 \text{ KPH}$$

## APPROXIMATE OVERALL MEASUREMENTS



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Tire and Wheel Equipment for Data Shown Below	
Tire Size 20.8 x 38 R1	
A. 81.9 inch (2 080 mm)	G. 241.7 inch (6 139 mm)
B. 30.8 inch (732 mm)	H. 74.8 inch (1 900 mm)
C. 67.3 inch (1 709 mm) steerable axle 71.8 inch (1 824 mm) non-steerable axle	J. 128.7 inch (3 269 mm)
D. 51.0 inch (1 295 mm)	K. 16.2 inch (411 mm)
E. 73.9 inch (1 877 mm) steerable axle 69.4 inch (1 763 mm) non-steerable axle	L. 18.3 inch (465 mm)
F. 124.9 inch (3 172 mm) non-steerable axle 120.4 inch (3 058 mm) steerable axle	

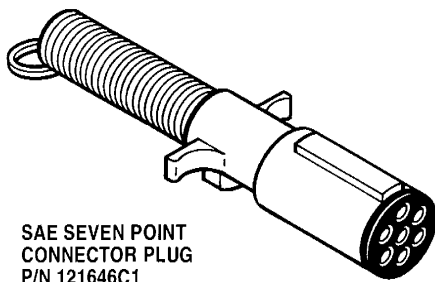
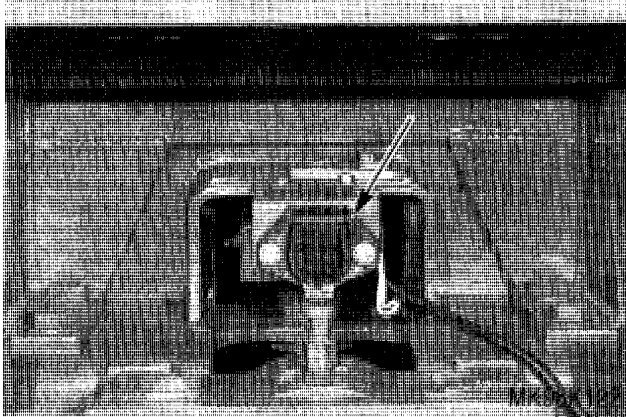
### GENERAL DIMENSIONS:

- Wheel Base:** Steerable Axle - 124.9 inch (3 172 mm)  
Non Steerable Axle - 120.4 inch (3 058 mm)
- Width:** 88.9 inch (2 258 mm) Outside of Front Fenders
- Turning Radius:** Drawpin center line to center of circle  
158.6 inch (4 028 mm) Steerable axle  
175.2 inch (4 450 mm) Non steerable axle
- Frame Articulation:** 40 Degrees Left/Right
- Frame Oscillation:** 11 Degrees (22 Degrees Total)
- Steerable Axle (Optional):** 6 Degrees Left/Right
- Drawbar Height:** 18.3 inch (489 mm) top of Main Drawbar To Ground

## AUXILIARY POWER CONNECTIONS

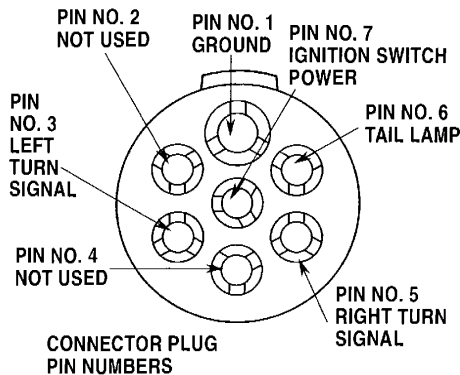
### SEVEN TERMINAL OUTLET

A seven terminal electrical outlet is located on the rear of the tractor. The outlet conforms to SAE J560 for interchangeability. The outlet provides power for auxiliary left turn signal, right turn signal and tail lamp, and ignition switch power.



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Use a mating seven terminal connector plug for connecting the implement wiring.



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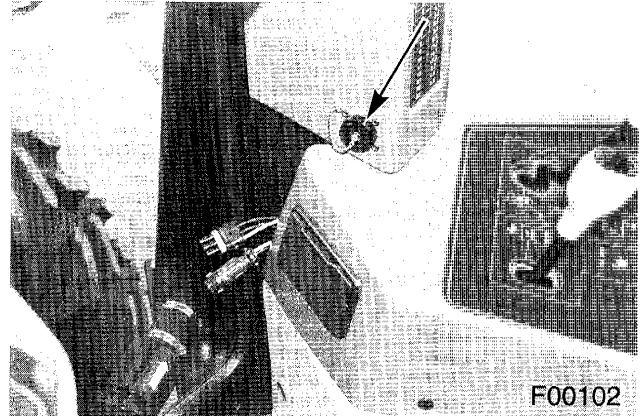
The diagram shows the connector plug pin numbers and usage.

**NOTE:** If the connector plug on the implement wiring is not a seven point SAE connector plug, the plug must be changed.

### AUXILIARY POWER CONNECTOR

A 3-pin receptacle is provided on the lower end of the RH front ROPS post. This connector can be used to connect power and ground to in-cab monitors. The receptacle will provide key switch power (Pin 1) or battery power (Pin 2) and ground (Pin 3).

Power connector part number 187103A1 may be ordered to connect to the receptacle.



Three additional connectors are located inside the RH side control console to provide 12 volt power to operate other monitors or remote equipment.

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**manuals007@hotmail.com**