

SERVICE MANUAL
QUADTRAC TRACTOR

9370
9380
9390

8-83394

1. Trim along dashed line.
2. Slide into pocket on Binder Spine.

TYPE 1-4

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TYPE 1-4

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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 | 53/43 in lbs | -65 to +250 | 6 min/24 hrs | 747 | Wicking Threadlocker |
| 221 | Purple | 222 | 0.005 | 75/41 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 +300 | 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 hrs | 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 | Brt 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 |

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 | 1hr/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 1003

1003

GENERAL INFORMATION AND SPECIFICATIONS

For 9370 and 9380 Series Tractor

<https://caseihservicemanual.com>

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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.

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 | 976 |
| 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 | 1620 | 1980 | 2278 | 2380 | 2720 | 3227 | 3688 |
| 1-1/2 | | | | | 1940 | 2200 | 2631 | 2983 | 3160 | 3560 | 4285 | 4827 |

NOTE 1: Bolt head identification marks as per grade. Manufacturing marks will vary. *Thick nuts must be used with Grade 8 bolts

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.

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 | TORQUE | | | | TORQUE | | | |
| | Inches | mm | | FOOT POUNDS | | NEWTON METERS | | FOOT POUNDS | | NEWTON METERS | |
| | | | | 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.

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. Torque is specified for 0.035 inch (0.889 mm) wall tubes on each application individually.

| | |
|---------------------------------------|-------------------------------|
| Oil Pressure (warm at 1300 RPM) | 35 to 40 PSI (240 to 310 kPa) |
| Air Induction System | Dry Type, 2-Stage Aspirator |
| Fuel Injection Pump | Cummins |
| fuel Injectors | Cummins Top Stop |
| Thermostat..... | 180°F to 202°F (82°C to 94°C) |
| Radiator Cap..... | 7 PSI (62 kPa) |

P.I.N. JEE0036001 AND AFTER

| | |
|---------------------------------------|---|
| Engine Make | Cummins |
| Model..... | N-14 |
| Type..... | In-Line Six Cylinder, Four Stroke Cycle |
| Displacement | 855 Cubic Inch (14.0 L) |
| Cylinder Sleeves | Removable, wet type |
| Bore..... | 5.5 inch (140 mm) |
| Stroke..... | 6.0 inch (152 mm) |
| Governed Speed (No Load)..... | 2275 to 2450 RPM |
| Rated Speed..... | 1700 to 2100 RPM |
| Idle Speed (approximate)..... | 825 to 900 RPM |
| Engine Operating Torque (at 2100 RPM) | |
| 9370..... | 900 lb ft (1220 Nm) |
| 9380..... | 1000 lb ft (12356 Nm) |
| Engine Peak Torque (at 1400 RPM) | |
| 9370..... | 1215 lb ft (1649 Nm) |
| 9380..... | 1330 lb ft (1803 Nm) |
| Torque Rise | |
| 9370..... | 35% |
| 9380..... | 33% |
| Compression Ratio | |
| 9370..... | 18.5:1 |
| 9380..... | 16.5:1 |
| Firing Order..... | 1-5-3-6-2-4 |
| Oil Pressure (warm at 1300 RPM) | 35 to 40 PSI (240 to 310 kPa) |
| Air Induction System | Dry Type, 2-Stage Aspirator |
| Fuel Injection Pump | Cummins |
| Fuel Injectors | Cummins Top Stop |
| Thermostat..... | 180°F to 202°F (82°C to 94°C) |
| Radiator Cap..... | 7 PSI (62 kPa) |

TRACTOR WEIGHTS

Approximate Shipping Weights

| | |
|---|-----------------------|
| 9370 with 20.8 R42 Dual Tires, Three Point Hitch and PTO..... | 29 035 lb (13 153 Kg) |
| 9380 with 710/70 R38 Dual Tires (No options)..... | 31 947 lb (14 472 Kg) |

NOTE: Estimated shipping weights are less fuel, operator, quick coupler or other optional equipment.

Maximum Tractor Operating Weight

| | |
|------------|-----------------------|
| 9370 | 40 000 lb (18 144 Kg) |
| 9380 | 44 000 lb (19 958 Kg) |

NOTE: Includes operator, tractor, tractor equipment and ballast with a 60% front and 40% rear static weight distribution.

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 |

12 Speed Synchro Shift

| Gear | Range | MPH | KPH |
|------|-------|------|-------|
| 1 | A | 2.3 | 3.7 |
| | B | 3.9 | 6.3 |
| | C | 6.1 | 9.8 |
| | D | 9.6 | 15.4 |
| 2 | A | 3.1 | 5.0 |
| | B | 5.2 | 8.4 |
| | C | 8.2 | 13.2 |
| | D | 12.9 | 20.8 |
| 3 | A | 4.3 | 6.9 |
| | B | 7.1 | 11.4 |
| | C | 11.3 | 18.2 |
| | D | 17.7 | 28.48 |
| R | A | 3.4 | 5.5 |
| | B | 5.7 | 9.2 |
| | C | 9.0 | 14.5 |

24 Speed Synchro Shift

| MPH | | G E A R | R A N G E |
|------|------|------------------|-----------------------|
| LO | HI | | |
| 2.3 | 2.5 | 1 | A |
| 3.1 | 3.3 | 2 | A |
| 3.8 | 4.1 | 1 | B |
| 4.2 | 4.6 | 3 | A |
| 5.2 | 5.6 | 2 | B |
| 6.1 | 6.5 | 1 | C |
| 7.1 | 7.6 | 3 | B |
| 8.2 | 8.8 | 2 | C |
| 9.5 | 10.3 | 1 | D |
| 11.2 | 12.1 | 3 | C |
| 12.9 | 13.9 | 2 | D |
| 17.7 | 19.0 | 3 | D |
| 8.3 | 3.5 | R | A |
| 5.5 | 5.9 | R | B |
| 8.7 | 9.3 | R | C |

Speeds shown on the charts represent the following tire sizes at rated RPM: 18.4 x 38 R1, 23.1 x 34 R1, 24.5 x 32 R1, 24.5 x 32 LS2, 20.8 x 38 R1 and 30.5L x 32 R1.

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)
 MPH = 14.1 x 0.96 = 13.5 MPH
 KPH = 22.6 x 0.96 = 21.7 KPH

MPH/KPH at Other Engine Speeds

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

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

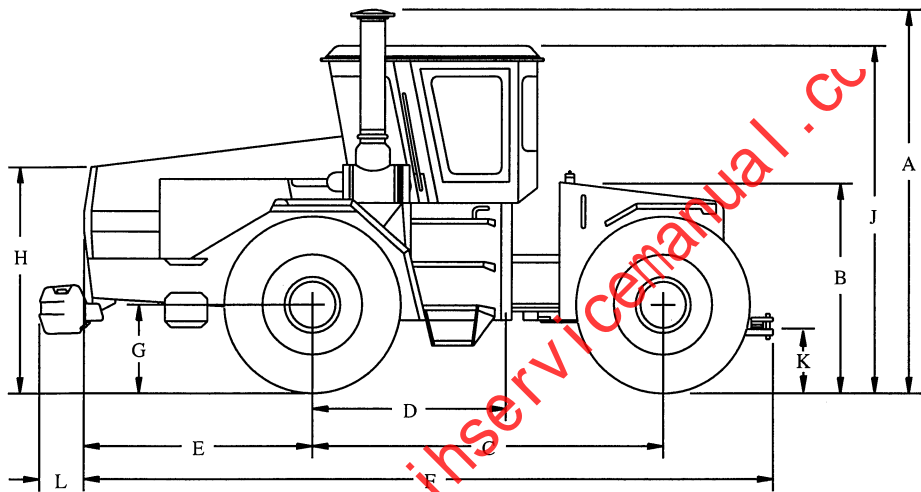
Example:

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



95F54

| Tire and Wheel Equipment for Data Shown Below | |
|---|--------------------------|
| Tire Size 20.8 x 42R1 | |
| A. 154.6 inch (3 927 mm) | G. 34.0 inch (864 mm) |
| B. 88.5 inch (2 248 mm) | H. 94.5 inch (2 400 mm) |
| C. 144.0 inch (3 658 mm) | J. 144.0 inch (3 660 mm) |
| D. 71 inch (1 816 mm) | K. 21.0 inch (533 mm) |
| E. 90.6 inch (2 301 mm) | L. 15.0 inch (384 mm) |
| F. 282.9 inch (7 186 mm) | |

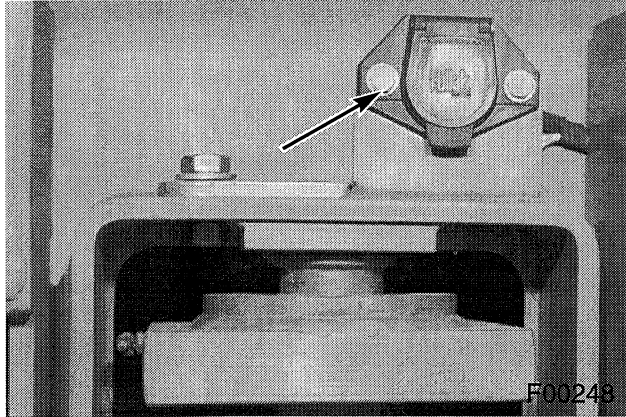
General Dimensions:

- Wheel Base: 144.0 inch (3 658 mm)
- Overall Height 20.8 x 42 Tires: 154.6 inch (3 927 mm)
- Length: 282.9 inch (7 186 mm) Overall Length
- Width: 96 inch (2 438 mm) Outside of Fenders
- Turning Radius: 17 ft (5.2 m) Drawbar Centerline to Center of Circle
20 ft (6.1 m) to Center of Outside Single Tire
- Frame Articulation: 42 Degrees Left/Right
- Frame Oscillation: 14 Degrees (28 Degrees Total)
- Drawbar Height: 21.0 inch (495.0 mm) top of Main Drawbar to Ground

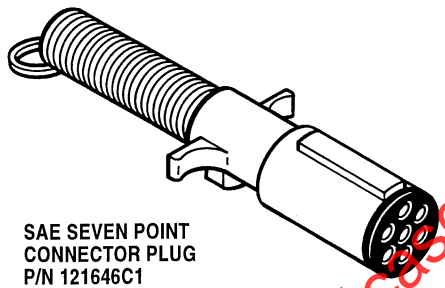
AUXILIARY POWER CONNECTIONS

SEVEN TERMINAL OUTLET

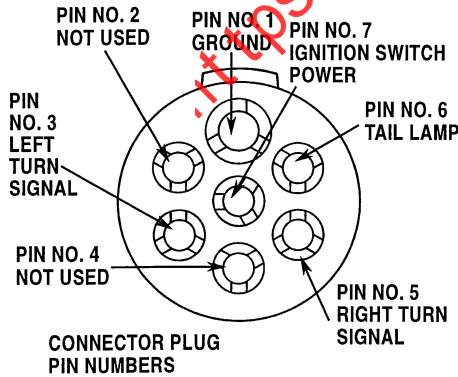
A seven terminal electrical outlet is located on the rear of the tractor. The outlet conforms to SAE J560 for interchangeability. The outlet provides power for auxiliary left turn signal, right turn signal, tail lamp, and ignition switch power.



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



364L9



367L9

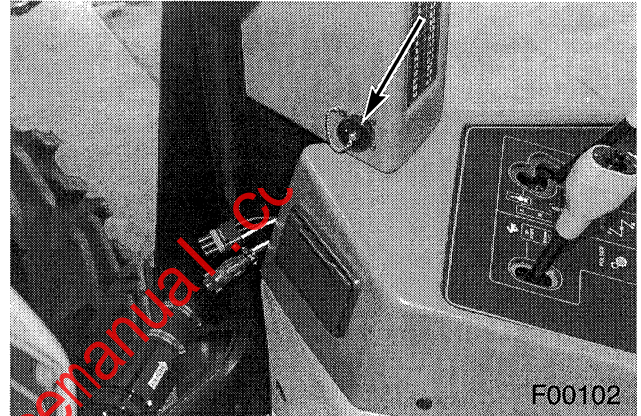
The diagram shows the connector plug pin numbers and usage.

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).

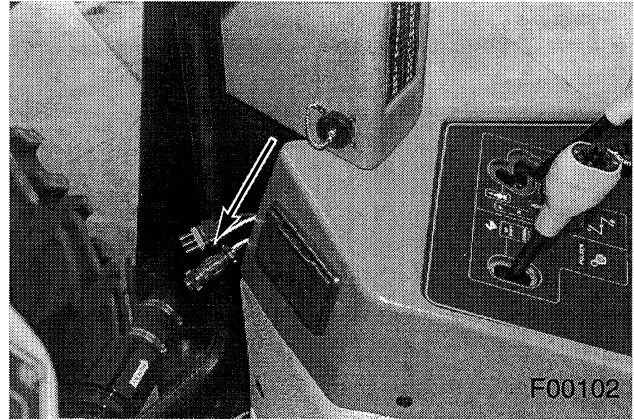
Power connector part number 187103A1 may be ordered to connect to the receptacle.



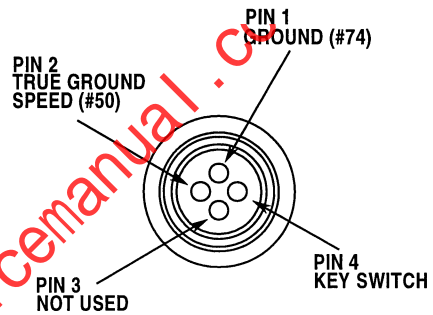
Three additional connectors are located inside the RH side control console to provide 12 volt power to operate other monitors or remote equipment.

AUXILIARY POWER SUPPLY

Three 12 volt, circuit breaker protected male connector power leads are provided inside the RH side control console for connecting monitors or other equipment.



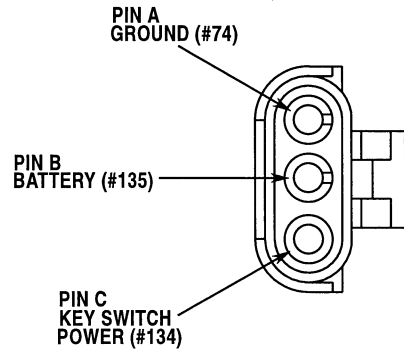
One 4-pin Amp connector is provided for monitors requiring true ground speed input. The diagram shows the connector pin numbers and usage.



95F59

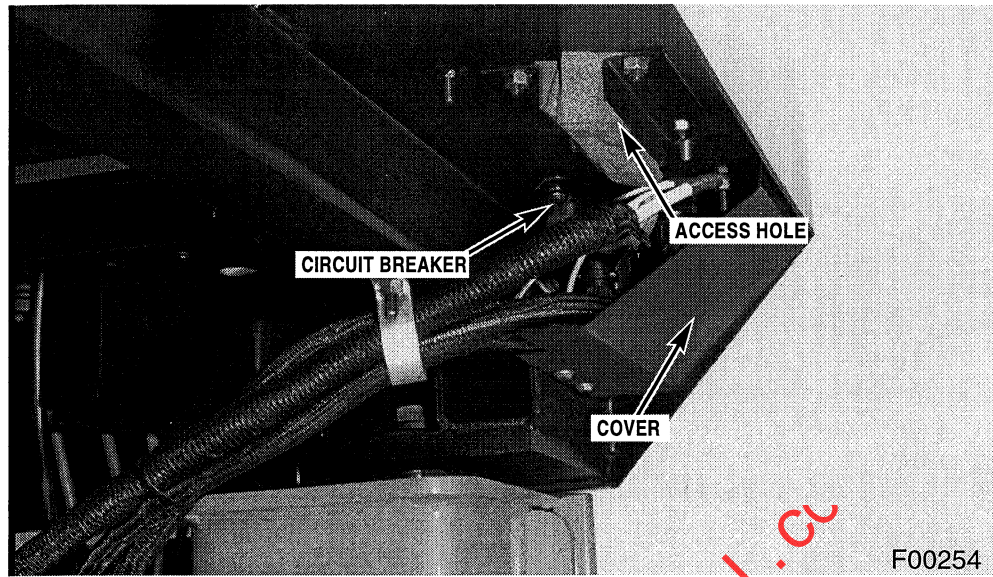
Two 3-pin, circuit breaker protected Weather Pack connectors are also available to provide key switched, or battery power and ground. The diagram shows the connector pin usage.

The control console wraparound cover must be removed to access these power leads.



95F60

ACCESSORY WIRE HARNESS ACCESS



A 150 amp main circuit breaker is located at the lower RH corner of the cab. Approximately 10 amps of power is available as needed for auxiliary power to implements.

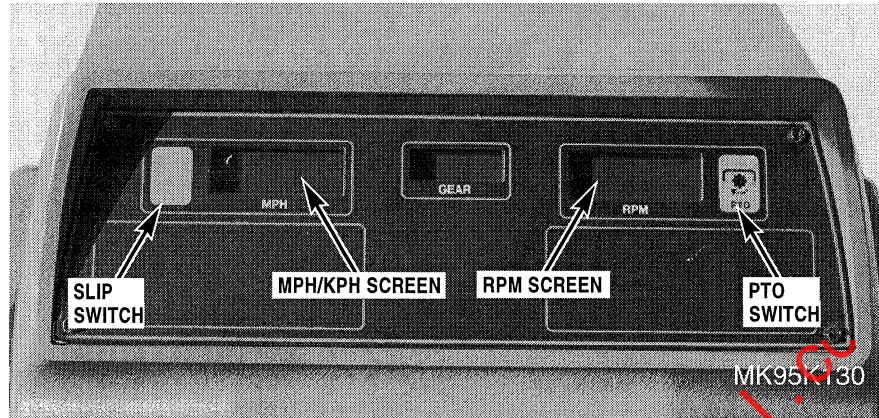
Direct battery power of 12 volts is also available to supply power to implements protected by separate fuses or circuit breakers.

Remove the cover for access to the circuit breaker.

An access hole is provided in the cab floor on the right rear side of the cab. Use the access hole to route wire harness for other equipment from the cab to the rear of the tractor or implement. Route the harness under the floormat or cut a hole in the floormat at the access hole location.

TRANSMISSION CONTROLLER AND INSTRUMENT CLUSTER CALIBRATION

The digital instrument cluster has been calibrated at the factory. Calibration will only be required again when there has been a change in tire size, transmission controller, instrument cluster, or true ground speed sensor. The calibration can be checked or changed anytime the operator questions the accuracy of the ground speed or wheel slip readings on the instrument.



The slip switch, MPH/KPH screen and PTO switch are all used in the calibration procedure.

POWER SHIFT TRANSMISSION PROCEDURE

To check or change the calibration of the transmission controller, do the following:

1. Engage the park brake, put the transmission forward/reverse lever in NEUTRAL position and start the engine.

NOTE: DO NOT push the inching pedal down at this time.

2. Push the SLIP and PTO switches at the same time. The MPH/KPH screen will read ENG. The RPM screen will momentarily read in sequence CAL, C5.1 and then the current engine code number.

NOTE: Controller revision level numbers (C5.1) are subject to change.

3. Push the PTO switch until the correct engine code is shown on the RPM screen.

Engine codes for the tractor models requiring MPH are as follows:

- A. Code C8.3 = 6T-830 or 6TA-830 Engine - Model 9310, 9330
- B. Code L10 = L10 or MTA-11-A Engine - Model 9350
- C. Code C855 = 855 or N14 Engine - Model 9370, 9380

Engine codes for the tractor models requiring MPH are as follows:

- D. Code C8.3 = 6T-830 or 6TA-830 Engine - Model 9310, 9330
- E. Code L10 = L10 or MTA-11-A Engine - Model 9350
- F. Code C855 = 855 or N14 Engine - Model 9370, 9380

4. Push the SLIP switch until the work TIRE is shown on the MPH/KPH screen and the current tire code number is shown on the RPM screen.

NOTE: The tire code number is based on the tire rolling radius. The tire rolling radius can be different for the same tire size from different manufacturers.

5. Push the PTO switch to change the tire code number as required for your tractor.

NOTE: See the Tire Code Chart which gives the rolling radius and manufacturer for various tire sizes. Also see dynamic Rolling Radius for alternate method of determining rolling radius.

6. Push the SLIP switch until the word HORN (I.E. True Ground Speed Sensor) is shown on the MPH/KPH screen. YES or NO will be shown on the RPM screen.

7. Push the PTO switch to get NO for tractors WITHOUT true ground speed sensor or YES for tractors WITH true ground speed sensor. For tractors without true ground speed, press the slip switch to exit calibration. Engine RPM and MPH will appear on the instrument cluster to indicate the controller is calibrated.

NOTE: Continue to Step 8 to complete the calibration procedure for tractors with true ground speed sensor.

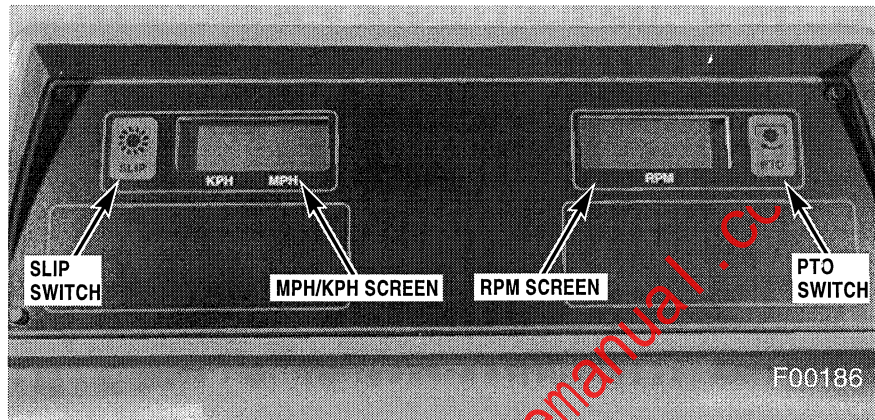
8. Push the SLIP switch to get CAL on the RPM screen.

9. Push the inching pedal down and move the transmission forward/reverse lever to forward direction.
10. Operate the tractor on a smooth dry surface in gear 10, 11 or 12 at 8 MPH (13 KPH) or greater. CAL will flash ON and OFF on the RPM screen.

11. Maintain a constant travel speed for two (2) seconds minimum. Engine RPM will then appear on the RPM screen to indicate that the cluster is calibrated.

NOTE: To get a true ground speed calibration, the engine and tire codes must be correct and there must be NO wheel slip during calibration.

SYNCHRO SHIFT TRANSMISSION PROCEDURE



To check or change the calibration of the transmission controller, do the following:

1. Engage the park brake and put the range and gear shift levers in NEUTRAL position.
2. Push and hold the slip switch, while turning the key switch ON. The RPM screen will momentarily read in sequence CAL, C2.1 and then the current engine code number. The MPH/KPH screen will read ENG.

NOTE: Controller revision level numbers (C2.1) are subject to change.

3. Push the PTO switch until the correct engine code is shown on the RPM screen.

Engine codes for the tractor models requiring MPH are as follows:

- G. Code C8.3 = 6T-830 or 6TA-830 Engine - Model 9310, 9330
- H. Code L10 = L10 or MTA-11-A Engine - Model 9350
- I. Code C855 = 855 or N14 Engine - Model 9370, 9380

Engine codes for the tractor models requiring MPH are as follows:

- J. Code C8.3 = 6T-830 or 6TA-830 Engine - Model 9310, 9330
- K. Code L10 = L10 or MTA-11-A Engine - Model 9350
- L. Code C855 = 855 or N14 Engine - Model 9370, 9380

4. Push the SLIP switch until the word TIRE is shown on the MPH/KPH screen and the current tire code number is shown on the RPM screen.

NOTE: The tire code number is based on the tire rolling radius. The tire rolling radius can be different for the same tire size from different manufacturers.

5. Push the PTO switch to change the tire code number as required for your tractor.

NOTE: See the tire code chart which gives the rolling radius and manufacturer for various tire sizes. Also see Dynamic Rolling Radius for alternate method of determining rolling radius.

6. Push the SLIP switch until the word HORN (I.E. True Ground Speed Sensor) is shown on the MPH/KPH screen. YES or NO will be shown on the RPM screen.
7. Push the PTO switch to get NO for tractors WITHOUT true ground speed sensor or YES for tractors WITH true ground speed sensor. For tractors without true ground speed, press the slip switch to exit calibration. Engine RPM and MPH will appear on the instrument cluster to indicate the controller is calibrated.

NOTE: Continue to Step 8 to complete the calibration procedure for tractors with true ground speed sensor.

8. Push the SLIP switch to get CAL on the RPM screen.

9. Push the inching pedal down and start the engine. Release park brake and select a speed range and gear that will provide an operating speed of 8 MPH (13 KPH) or greater.
10. Operate the tractor on a smooth dry surface at a speed of 8 MPH (13 KPH) or greater. CAL will flash intermittently on the RPM screen.
11. Maintain a constant travel speed for two (2) seconds minimum. Engine RPM will then appear on the RPM screen to indicate that the cluster is calibrated.

NOTE: To get a true ground speed calibration, the engine and tire codes must be correct and there must be NO wheel slip during calibration.

DYNAMIC ROLLING RADIUS

The tire rolling radius numbers shown in the Tire Code Number Chart represents the calibrated rolling radius for various tire sizes and manufacturers. The actual rolling radius can vary a small amount depending on tire pressure, tire wear and the weight and load on the tractor.

If a higher degree of accuracy is required, dynamic rolling radius can be established as follows:

1. Put a mark on the side of the tractor tire.
2. Operate the fully loaded tractor on a dry flat surface.
3. Count ten (10) revolutions of the wheel.
4. Measure the distance traveled in inches.
5. Use the following formula to determine the dynamic rolling radius.

$$\text{Dynamic Rolling Radius} = \frac{\text{Distance Traveled in Inches}}{62.83}$$

6. Use the dynamic rolling radius as specified in Step 5 of the instrument cluster calibration procedure.

Tire Code Numbers

Use the following code numbers for cluster calibration.

| Tire Size | Tire Type | Tire Code Number (Rolling Radius) | |
|----------------|-----------|-----------------------------------|----------|
| | | Firestone | Goodyear |
| 14.9R x 46R1 | Radial | 35.0 | 34.4 |
| 420/80R x 46R1 | Radial | 35.0 | 34.8 |
| 18.4R x 46R1 | Radial | 36.8 | 37.0 |
| 710/70R x 38R1 | Radial | 37.0 | 36.2 |
| 18.4 x 38R1 | Bias | 32.4 | 33.2 |
| 18.4R x 38R1 | Radial | 32.8 | 33.2 |
| 18.4R x 38R1W | Radial | 32.6 | 32.6 |
| 18.4 x 38R2 | Bias | 32.6 | 33.6 |
| 18.4 x 42R1 | Bias | 34.2 | 35.0 |
| 18.4R x 42R1 | Radial | 34.8 | 34.6 |
| 20.8 x 38R1 | Bias | 33.4 | 33.8 |
| 20.8R x 38R1 | Radial | 34.0 | 34.6 |
| 20.8R x 38R1W | Radial | 34.2 | 34.4 |
| 20.8 x 38R2 | Bias | 33.8 | 34.6 |
| 20.8 x 42R1 | Bias | 35.2 | 36.2 |
| 20.8R x 42R1 | Radial | 36.0 | 36.6 |
| 20.8R x 42R1W | Radial | 36.2 | 36.2 |
| 23.1 x 34R1 | Bias | 32.4 | 33.0 |
| 23.1 x 34R2 | Bias | 34.6 | 34.8 |
| 24.5 x 32R1 | Bias | 32.4 | 33.4 |
| 24.5R x 32R1 | Radial | 33.0 | 33.8 |
| 24.5 x 32R2 | Bias | 33.8 | 33.4 |
| 24.5 x 32LS2 | Bias | 33.2 | |
| 30.5 x 32R1 | Bias | 33.6 | 33.2 |
| 30.5R x 32R1 | Radial | 33.6 | 34.0 |
| 30.5 x 32R2 | Bias | 34.4 | 33.4 |
| 30.5 x 32LS2 | Bias | 35.0 | |

BIAS TIRE PRESSURE AND LOAD CAPACITY CHART

| Tire Size | Ply | Tread Type | Single or Dual | Maximum Tire Load At Rated Inflation | Recommended PSI (kPa) |
|-----------|-----|------------|----------------|--------------------------------------|-----------------------|
| 24.5-32 | 10 | R1 - R2 | Dual | 7 660 lb (3 475 kg) | 14 PSI (97 kPa) |
| 24.5-32 | 12 | LS2 | Dual | 8 520 lb (3 865 kg) | 14 PSI (97 kPa) |
| 30.5L-32 | 10 | R1 | Single | 10 390 lb (4 713 kg) | 20 PSI (138 kPa) |
| 23.1-34 | 8 | R1 - R2 | Dual | 6 260 lb (2 840 kg) | 14 PSI (97 kPa) |
| 20.8-38 | 8 | R2 | Dual | 6 000 lb (2 723 kg) | 16 PSI (110 kPa) |
| 20.8-38 | 10 | R1 - R2 | Dual | 6 750 lb (3 062 kg) | 16 PSI (110 kPa) |
| 20.8-42 | 10 | R1 | Dual | 7 120 lb (3 230 kg) | 16 PSI (110 kPa) |

NOTE 1: The tire pressure can be increased up to 4 PSI (28 kPa) more than shown in the table when tires are used in severe service. Severe service includes the furrow tire in regular plowing operations, the downhill tire in sidehill plowing and hillside operations.

IMPORTANT: When installing front frame mounted equipment or liquid tanks, remove all ballast from front axle tires. Only the dual tires listed in the chart have sufficient capacity to run at maximum weight.



WARNING: Do not remove, install or make repairs to a tire on a rim. Take the tire and rim to a tire shop where persons with special training and special safety tools are available. If the tire is not in correct position on the rim, or if too full of air, the tire bead can loosen on one side and cause air to leak at high speed and with large force. Because the air leak can thrust the tire in any direction, and with much force, you will be in danger of injury. M169B

TIRE PRESSURE FOR MAXIMUM TIRE LOAD AT RATED INFLATION

To reach the best tire pressure and load capacity, scale weigh the front and rear axle of the tractor.

Determine proper ballast weight split.

40% Rear/60% Front - Tractor used with hitch mounted implements

45% Rear/55% Front - Tractor used with drawbar towed high draft implement

35% Rear/65% Front - Tractor used with high vertical drawbar loads.

Determine correct static load distribution and tire pressure from chart.

Example: Tractor used with standard drawbar implements, 18.4R-38 dual tires and a full tank of fuel. Desired weight split = 45% Rear/55% Front.

Front Weight of Tractor = 14 000 lb (6 350 kg)

Rear Weight of Tractor = 9 392 lb (4 260 kg)

Total Weight of Tractor = 23 392 lb (10 610 kg)

Determine weight distribution = 59.8% Front Axle

40.2% Rear Axle

Adjust the weight distribution by adding 2 000 lb (907 kg) weight to the rear wheels.

Adjusted Weight:

Front Weight = 14 000 lb (6 350 kg)
 Rear Weight = 11 392 lb (5 167 kg)
 Total Weight = 25 392 lb (11 517 kg)
 Total Weight Distribution = 55.1% Front Axle
 44.9% Rear Axle

From Chart: 18.4R-38 Dual Tires - 3 500 lb = 10 PSI
 (1 588 kg = 69 kPa)

Rear Static Load - Weight divided by number of tires
 $11\,392\text{ lb}/4 = 2\,848\text{ lb}$
 $(5\,167\text{ kg}/4 = 1\,292\text{ kg})$

Front Static Load - Weight divided by number of tires.

$14\,000\text{ lb}/4 = 3\,500\text{ lb}$
 $(6\,350\text{ kg}/4 = 1\,588\text{ kg})$

From Chart = 18.4R-38 Dual Tires - 2 848 lb = 7 PSI
 (1 292 kg = 48 kPa)

METRIC SIZE RADIAL TIRE PRESSURE AND LOAD CAPACITY CHART - U.S. Standard

25 MPH Travel Speeds

| Tire Pressure - PSI | | 6 | 9 | 12 | 15 | 17 | 20 | 23 |
|---------------------|--------|------|------|------|------|------|-------|-------|
| Tire Size | Wheels | lbs | lbs | lbs | lbs | lbs | lbs | lbs |
| 420/80R46 | S | 2910 | 3520 | 4080 | 4680 | 5360 | 5840 | 6400 |
| | D | 2560 | 3100 | 3590 | 4110 | 4710 | 5140 | 5630 |
| | T | 2390 | 2890 | 3340 | 3830 | 4390 | 4790 | 5240 |
| 710/70R38 | S | 5360 | 6400 | 7400 | 8550 | 9650 | 10700 | 11700 |
| | D | 4710 | 5630 | 6500 | 7520 | 8490 | 9460 | 10280 |

METRIC SIZE RADIAL TIRE PRESSURE AND LOAD CAPACITY CHART - Metric

40 KPH Travel Speeds

| Tire Pressure - kPa | | 41 | 62 | 83 | 104 | 117 | 138 | 159 |
|---------------------|--------|------|------|------|------|------|------|------|
| Tire Size | Wheels | Kg | Kg | Kg | Kg | Kg | Kg | Kg |
| 420/80R46 | S | 1323 | 1600 | 1855 | 2127 | 2680 | 2655 | 2909 |
| | D | 1164 | 1409 | 1632 | 1868 | 2141 | 2336 | 2559 |
| | T | 1086 | 1314 | 1518 | 1741 | 1995 | 2177 | 2382 |
| 710/70R38 | S | 2436 | 2909 | 3364 | 3886 | 4386 | 4864 | 5318 |
| | D | 2141 | 2559 | 2955 | 3418 | 3859 | 4300 | 4673 |

CONVENTIONAL SIZE RADIAL TIRE PRESSURE AND LOAD CAPACITY CHART U.S. STANDARD - 25 MPH Travel Speeds

| Tire Pressure - PSI | | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---------------------|--------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Tire Size | Wheels | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs |
| 14.9R46 | S | 2260 | 2470 | 2670 | 2860 | 3040 | 3380 | 3700 | 4000 | 4300 | 4560 | 4840 | 5080 |
| | D | 1990 | 2170 | 2350 | 2520 | 2680 | 2970 | 3260 | 3520 | 3780 | 4010 | 4260 | 4470 |
| | T | 1850 | 2030 | 2190 | 2350 | 2490 | 2770 | 3030 | 3280 | 3530 | 3740 | 3970 | 4170 |
| 18.4R38 | S | 2960 | 3240 | 3500 | 3760 | 3980 | 4440 | 4860 | 5260 | 5680 | 5980 | 6350 | 6600 |
| | D | 2600 | 2850 | 3080 | 3310 | 3500 | 3910 | 4280 | 4630 | 5000 | 5260 | 5590 | 5810 |
| | T | 2430 | 2660 | 2870 | 3080 | 3260 | 3640 | 3990 | 4310 | 4660 | 4900 | 5210 | 5410 |
| 18.4R42 | S | 3120 | 3420 | 3700 | 3960 | 4200 | 4680 | 5120 | 5540 | 6000 | 6300 | 6650 | 6950 |
| | D | 2750 | 3010 | 3260 | 3480 | 3700 | 4120 | 4510 | 4880 | 5280 | 5540 | 5850 | 6120 |
| | T | 2560 | 2800 | 3030 | 3250 | 3440 | 3840 | 4200 | 4540 | 4920 | 5170 | 5450 | 5700 |
| 18.4R46 | S | 3280 | 3600 | 3880 | 4160 | 4420 | 4920 | 5400 | 5820 | 6150 | 6650 | 7000 | 7400 |
| | D | 2890 | 3170 | 3410 | 3660 | 3890 | 4330 | 4750 | 5120 | 5410 | 5850 | 6160 | 6510 |
| | T | 2690 | 2950 | 3180 | 3410 | 3620 | 4030 | 4430 | 4770 | 5040 | 5450 | 5740 | 6070 |
| 20.8R38 | S | 3580 | 3920 | 4240 | 4540 | 4840 | 5380 | 5880 | 6350 | 6800 | 7520 | 7650 | 8050 |
| | D | 3150 | 3450 | 3730 | 4000 | 4260 | 4730 | 5170 | 5590 | 5980 | 6380 | 6730 | 7080 |
| | T | 2940 | 3210 | 3480 | 3720 | 3970 | 4410 | 4820 | 5210 | 5580 | 5950 | 6270 | 6600 |
| 20.8R42 | S | 3780 | 4140 | 4480 | 4800 | 5100 | 5680 | 6200 | 6700 | 7150 | 7650 | 8100 | 8550 |
| | D | 3330 | 3640 | 3940 | 4220 | 4490 | 5000 | 5460 | 5900 | 6290 | 6730 | 7130 | 7520 |
| | T | 3100 | 3390 | 3670 | 3940 | 4180 | 4660 | 5080 | 5490 | 5860 | 6270 | 6640 | 7010 |
| 24.5R32 | S | 4300 | 4700 | 5100 | 5460 | 5800 | 6450 | 7050 | 7650 | 8250 | 8700 | 9200 | 9650 |
| | D | 3780 | 4140 | 4490 | 4800 | 5100 | 5680 | 6200 | 6730 | 7260 | 7660 | 8100 | 8490 |
| 30.5LR32 | S | 5140 | 5620 | 6100 | 6500 | 6950 | 7700 | 8450 | 9100 | 9650 | 10400 | 11000 | 11700 |
| | D | 4520 | 4950 | 5370 | 5720 | 6120 | 6780 | 7440 | 8010 | 8490 | 9150 | 9680 | 10300 |

S = Singles D = Duals T = Triples

CONVENTIONAL SIZE RADIAL TIRE PRESSURE AND LOAD CAPACITY CHART METRIC - 40 KPH Travel Speeds

| Tire Pressure - kPa | | 41 | 48 | 55 | 62 | 69 | 83 | 97 | 110 | 124 | 138 | 152 | 165 |
|---------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tire Size | Wheels | Kg | Kg | Kg | Kg | Kg | Kg | Kg | Kg | Kg | Kg | Kg | Kg |
| 14.9R46 | S | 1027 | 1245 | 1214 | 1300 | 1382 | 1536 | 1681 | 1818 | 1955 | 2073 | 2200 | 2309 |
| | D | 905 | 986 | 1068 | 1145 | 1218 | 1350 | 1482 | 1600 | 1718 | 1963 | 1936 | 2032 |
| | T | 841 | 923 | 995 | 1068 | 1132 | 1259 | 1337 | 1491 | 1605 | 1700 | 1805 | 1895 |
| 18.4R38 | S | 1345 | 1473 | 1591 | 1709 | 1809 | 2018 | 2209 | 2391 | 2582 | 2718 | 2886 | 3000 |
| | D | 1186 | 1295 | 1400 | 1518 | 1591 | 1772 | 1945 | 2105 | 2273 | 2391 | 2541 | 2641 |
| | T | 1105 | 1209 | 1305 | 1400 | 1482 | 1655 | 1814 | 1959 | 2118 | 2227 | 2368 | 2459 |
| 18.4R42 | S | 1418 | 1555 | 1682 | 1800 | 1908 | 2127 | 2327 | 2518 | 2727 | 2864 | 3023 | 3159 |
| | D | 1250 | 1368 | 1482 | 1582 | 1682 | 1873 | 2050 | 2218 | 2400 | 2518 | 2659 | 2782 |
| | T | 1164 | 1273 | 1377 | 1477 | 1564 | 1745 | 1898 | 2064 | 2236 | 2350 | 2477 | 2590 |
| 18.4R46 | S | 1491 | 1636 | 1764 | 1891 | 2009 | 2236 | 2455 | 2645 | 2795 | 3023 | 3182 | 3364 |
| | D | 1314 | 1441 | 1550 | 1664 | 1768 | 1968 | 2159 | 2327 | 2459 | 2659 | 2800 | 2959 |
| | T | 1345 | 1341 | 1445 | 1550 | 1645 | 1832 | 2014 | 2168 | 2291 | 2473 | 2609 | 2759 |
| 20.8R38 | S | 1627 | 1782 | 1927 | 2064 | 2200 | 2445 | 2673 | 2886 | 3091 | 3418 | 3477 | 3659 |
| | D | 1432 | 1568 | 1695 | 1818 | 1936 | 2150 | 2350 | 2541 | 2718 | 2900 | 3059 | 3218 |
| | T | 1336 | 1459 | 1582 | 1681 | 1805 | 2005 | 2191 | 2368 | 2536 | 2705 | 2850 | 3000 |
| 20.8R42 | S | 1178 | 1882 | 2936 | 2182 | 2318 | 2582 | 2818 | 3045 | 3250 | 3477 | 3682 | 3886 |
| | D | 1514 | 1655 | 1791 | 1918 | 2041 | 2273 | 2482 | 2682 | 2859 | 3059 | 3241 | 3418 |
| | T | 1409 | 1541 | 1668 | 1791 | 1900 | 2118 | 2309 | 2495 | 2664 | 2850 | 3018 | 3186 |
| 24.5R32 | S | 1955 | 2136 | 2318 | 2482 | 2636 | 2932 | 3205 | 3477 | 3750 | 3955 | 4182 | 4386 |
| | D | 1718 | 1882 | 2041 | 2182 | 2318 | 2582 | 2818 | 3059 | 3300 | 3482 | 3682 | 3859 |
| 30.5LR32 | S | 2336 | 2555 | 2773 | 2955 | 3159 | 3500 | 3841 | 4136 | 4386 | 4727 | 5000 | 5318 |
| | D | 2055 | 2250 | 2441 | 2600 | 2782 | 3082 | 3382 | 3641 | 3859 | 4159 | 4400 | 4682 |

S = Singles D = Duals T = Triples