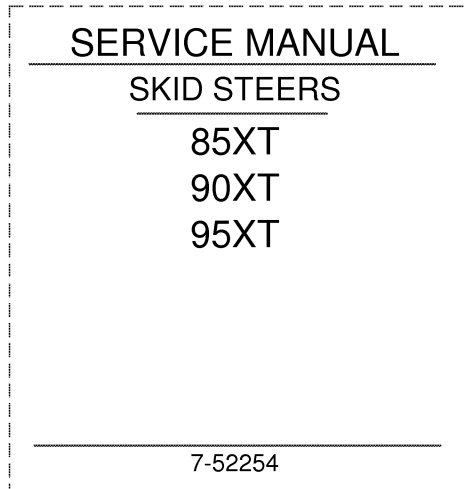
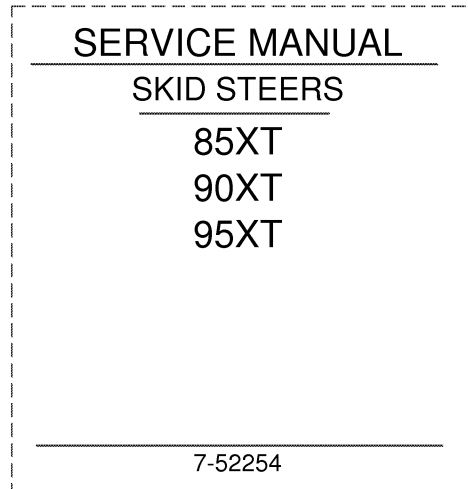




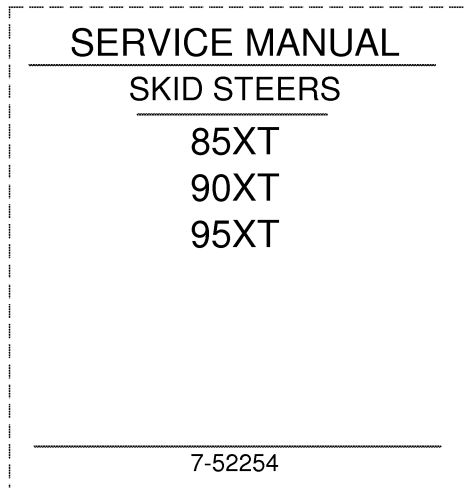
1. Trim along dashed line.
2. Slide into pocket on Binder Spine.

TYPE 1-4



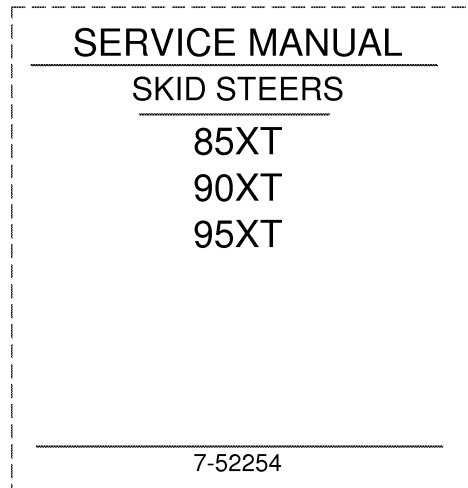
1. Trim along dashed line.
2. Slide into pocket on Binder Spine.

TYPE 1-4



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

TYPE 1-4



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

TYPE 1-4

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**NOTE:** Case, LLC. 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.

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# Section 1001

## STANDARD TORQUE SPECIFICATIONS

85XT - 90XT - 95XT

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## TORQUE SPECIFICATIONS - DECIMAL HARDWARE

Use the torques in this chart when special torques are not given. These torques apply to fasteners with both UNC and UNF threads as received from suppliers dry, or when lubricated with engine oil. Not applicable if special graphities, Molydisulfide greases, or other extreme pressure lubricants are used.

| Grade 5 Bolts, Nuts, and Studs                                                                                                                                                                                                                        |               |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
|    |               |              |
| Size                                                                                                                                                                                                                                                  | Newton metres | Pound-Inches |
| 1/4 inch                                                                                                                                                                                                                                              | 10 to 12      | 91 to 103    |
| 5/16 inch                                                                                                                                                                                                                                             | 21 to 24      | 188 to 212   |
| 3/8 inch                                                                                                                                                                                                                                              | 38 to 43      | 336 to 378   |
|                                                                                                                                                                                                                                                       |               | Pound-Feet   |
| 7/16 inch                                                                                                                                                                                                                                             | 61 to 69      | 45 to 51     |
| 1/2 inch                                                                                                                                                                                                                                              | 94 to 104     | 68 to 76     |
| 9/16 inch                                                                                                                                                                                                                                             | 132 to 149    | 98 to 110    |
| 5/8 inch                                                                                                                                                                                                                                              | 183 to 210    | 138 to 155   |
| 3/4 inch                                                                                                                                                                                                                                              | 325 to 370    | 242 to 270   |
| 7/8 inch                                                                                                                                                                                                                                              | 530 to 595    | 390 to 435   |
| 1.0 inch                                                                                                                                                                                                                                              | 790 to 890    | 585 to 655   |
| 1-1/8 inch                                                                                                                                                                                                                                            | 980 to 1100   | 725 to 805   |
| 1-1/4 inch                                                                                                                                                                                                                                            | 1385 to 1555  | 1020 to 1145 |
| 1-3/8 inch                                                                                                                                                                                                                                            | 1810 to 2030  | 1335 to 1495 |
| 1-1/2 inch                                                                                                                                                                                                                                            | 2400 to 2700  | 1770 to 1990 |

| Grade 8 Bolts, Nuts, and Studs                                                                                                                                                                                                                              |               |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
|    |               |              |
| Size                                                                                                                                                                                                                                                        | Newton metres | Pound-Inches |
| 1/4 inch                                                                                                                                                                                                                                                    | 15 to 16      | 130 to 145   |
| 5/16 inch                                                                                                                                                                                                                                                   | 30 to 34      | 268 to 301   |
| 3/8 inch                                                                                                                                                                                                                                                    | 54 to 60      | 474 to 534   |
|                                                                                                                                                                                                                                                             |               | Pound-Feet   |
| 7/16 inch                                                                                                                                                                                                                                                   | 86 to 97      | 63 to 71     |
| 1/2 inch                                                                                                                                                                                                                                                    | 132 to 149    | 96 to 110    |
| 9/16 inch                                                                                                                                                                                                                                                   | 191 to 213    | 140 to 155   |
| 5/8 inch                                                                                                                                                                                                                                                    | 260 to 293    | 190 to 215   |
| 3/4 inch                                                                                                                                                                                                                                                    | 480 to 515    | 340 to 380   |
| 7/8 inch                                                                                                                                                                                                                                                    | 745 to 835    | 550 to 615   |
| 1.0 inch                                                                                                                                                                                                                                                    | 1120 to 1280  | 825 to 925   |
| 1-1/8 inch                                                                                                                                                                                                                                                  | 1585 to 1785  | 1170 to 1315 |
| 1-1/4 inch                                                                                                                                                                                                                                                  | 2215 to 2235  | 1650 to 1855 |
| 1-3/8 inch                                                                                                                                                                                                                                                  | 2930 to 3295  | 2160 to 2430 |
| 1-1/2 inch                                                                                                                                                                                                                                                  | 3895 to 4375  | 2870 to 3225 |
| <b>NOTE:</b> Use thick nuts with Grade 8 bolts.                                                                                                                                                                                                             |               |              |

## TORQUE SPECIFICATIONS - METRIC HARDWARE

Use the following torques when specifications are not given.

These values apply to fasteners with both coarse and fine threads as received from supplier, plated or unplated, or when lubricated with engine oil. These values do not apply if graphite or Molydisulfide grease or oil is used. Use of a click type torque wrench, or better is required.

### Grade 8.8 Bolts, Nuts, and Studs

|  |               |              |
|-----------------------------------------------------------------------------------|---------------|--------------|
| Size                                                                              | Newton metres | Pound-Inches |
| M4                                                                                | 3 to 4        | 31 to 35     |
| M5                                                                                | 5 to 6        | 49 to 55     |
| M6                                                                                | 10 to 11      | 84 to 94     |
| M8                                                                                | 23 to 26      | 229 to 277   |
| M10                                                                               | 46 to 51      | 408 to 460   |
|                                                                                   |               | Pound-Feet   |
| M12                                                                               | 80 to 90      | 59 to 66     |
| M14                                                                               | 128 to 145    | 94 to 106    |
| M16                                                                               | 200 to 220    | 149 to 161   |
| M20                                                                               | 400 to 450    | 293 to 330   |
| M24                                                                               | 690 to 780    | 510 to 575   |
| M30                                                                               | 1375 to 1545  | 1010 to 1140 |
| M36                                                                               | 2400 to 2700  | 1770 to 1990 |

### Grade 10.9 Bolts, Nuts, and Studs

|  |               |              |
|-------------------------------------------------------------------------------------|---------------|--------------|
| Size                                                                                | Newton metres | Pound-Inches |
| M4                                                                                  | 5 to 6        | 44 to 49     |
| M5                                                                                  | 8 to 9        | 71 to 79     |
| M6                                                                                  | 14 to 15      | 120 to 136   |
| M8                                                                                  | 33 to 37      | 293 to 329   |
|                                                                                     |               | Pound-Feet   |
| M10                                                                                 | 65 to 74      | 48 to 54     |
| M12                                                                                 | 114 to 128    | 85 to 94     |
| M14                                                                                 | 183 to 205    | 136 to 153   |
| M16                                                                                 | 285 to 320    | 208 to 235   |
| M20                                                                                 | 555 to 620    | 406 to 460   |
| M24                                                                                 | 955 to 1075   | 705 to 790   |
| M30                                                                                 | 1900 to 2140  | 1400 to 1580 |
| M36                                                                                 | 3315 to 3730  | 2445 to 2750 |

### Grade 12.9 Bolts, Nuts, and Studs



Usually the torque values specified for grade 10.9 fasteners can be used satisfactorily on grade 12.9 fasteners.

## TORQUE SPECIFICATIONS - STEEL HYDRAULIC FITTINGS

| <b>37 Degree Flare Fitting</b> |                        |                    |                      |                     |
|--------------------------------|------------------------|--------------------|----------------------|---------------------|
| <b>Nom. SAE Dash Size</b>      | <b>Tube OD/Hose ID</b> | <b>Thread Size</b> | <b>Newton metres</b> | <b>Pound-Inches</b> |
| -2                             |                        | 5/16 - 24          | 8 to 9               | 72 to 84            |
| -3                             |                        | 3/8 - 24           | 11 to 12             | 96 to 108           |
| -4                             | 6.4 mm (1/4 inch)      | 7/16 - 20          | 14 to 16             | 120 to 144          |
| -5                             | 7.9 mm (5/16 inch)     | 1/2 - 20           | 18 to 21             | 156 to 192          |
| -6                             | 9.5 mm (3/8 inch)      | 9/16 - 18          | 27 to 33             | 240 to 300          |
| -8                             | 12.7 mm (1/2 inch)     | 3/4 - 16           | 46 to 56             | 408 to 504          |
| -10                            | 15.9 mm (5/8 inch)     | 7/8 - 14           | 77 to 85             | 684 to 756          |
|                                |                        |                    |                      | <b>Pound-Feet</b>   |
| -12                            | 19.0 mm (3/4 inch)     | 1-1/16 - 12        | 107 to 119           | 79 to 88            |
| -14                            | 22.2 mm (7/8 inch)     | 1-3/16 - 12        | 127 to 140           | 94 to 103           |
| -16                            | 25.4 mm (1.0 inch)     | 1-5/16 - 12        | 131 to 156           | 97 to 117           |
| -20                            | 31.8 mm (1-1/4 inch)   | 1-5/8 - 12         | 197 to 223           | 145 to 165          |
| -24                            | 38.1 mm (1-1/2 inch)   | 1-7/8 - 12         | 312 to 338           | 230 to 250          |

| <b>Straight Threads with O-ring</b> |                        |                    |                      |                     |
|-------------------------------------|------------------------|--------------------|----------------------|---------------------|
| <b>Nom. SAE Dash Size</b>           | <b>Tube OD/Hose ID</b> | <b>Thread Size</b> | <b>Newton metres</b> | <b>Pound-Inches</b> |
| -2                                  |                        | 5/16 - 24          | 8 to 9               | 72 to 84            |
| -3                                  |                        | 3/8 - 24           | 11 to 12             | 96 to 108           |
| -4                                  | 6.4 mm (1/4 inch)      | 7/16-20            | 20 to 25             | 180 to 228          |
| -5                                  | 7.9 mm (5/16 inch)     | 1/2-20             | 27 to 33             | 240 to 300          |
| -6                                  | 9.5 mm (3/8 inch)      | 9/16-18            | 43 to 54             | 384 to 480          |
| -8                                  | 12.7 mm (1/2 inch)     | 3/4-16             | 73 to 90             | 648 to 804          |
|                                     |                        |                    |                      | <b>Pound-Feet</b>   |
| -10                                 | 15.9 mm (5/8 inch)     | 7/8-14             | 100 to 124           | 74 to 92            |
| -12                                 | 19.0 mm (3/4 inch)     | 1-1/16-12          | 138 to 173           | 102 to 128          |
| -14                                 | 22.2 mm (7/8 inch)     | 1-3/16-12          | 173 to 216           | 128 to 160          |
| -16                                 | 25.4 mm (1.0 inch)     | 1-5/16-12          | 203 to 253           | 150 to 187          |
| -20                                 | 31.8 mm (1-1/4 inch)   | 1-5/8-12           | 308 to 357           | 227 to 264          |
| -24                                 | 38.1 mm (1-1/2 inch)   | 1-7/8-12           | 492 to 542           | 363 to 400          |

| <b>Split Flange Mounting Bolts</b> |                      |                     |
|------------------------------------|----------------------|---------------------|
| <b>Size</b>                        | <b>Newton metres</b> | <b>Pound-Inches</b> |
| 5/16-18                            | 20 to 27             | 180 to 240          |
| 3/8-16                             | 27 to 34             | 240 to 300          |
| 7/16-14                            | 47 to 61             | 420 to 540          |
|                                    |                      | <b>Pound-Feet</b>   |
| 1/2-13                             | 74 to 88             | 55 to 65            |
| 5/8-11                             | 190 to 203           | 140 to 150          |

| <b>O-Ring Face Seal End</b> |                         |                    |                      |                     | <b>O-Ring Boss End Fitting or Lock Nut</b> |                      |                     |
|-----------------------------|-------------------------|--------------------|----------------------|---------------------|--------------------------------------------|----------------------|---------------------|
| <b>Nom. SAE Dash Size</b>   | <b>Tube OD</b>          | <b>Thread Size</b> | <b>Newton metres</b> | <b>Pound-Inches</b> | <b>Thread Size</b>                         | <b>Newton metres</b> | <b>Pound-Inches</b> |
| -4                          | 6.4 mm<br>(1/4 inch)    | 9/16-18            | 23 to 26             | 204 to 228          |                                            |                      |                     |
| -6                          | 9.5 mm<br>(3/8 inch)    | 11/16-16           | 34 to 40             | 300 to 348          | 9/16-18                                    | 48 to 54             | 432 to 480          |
| -8                          | 12.7 mm<br>(1/2 inch)   | 13/16-16           | 52 to 57             | 456 to 504          | 3/4-16                                     | 70 to 78             | 612 to 684          |
| -10                         | 15.9 mm<br>(5/8 inch)   | 1-14               | 81 to 90             | 720 to 792          | 7/8-14                                     | 102 to 114           | 75 to 84            |
|                             |                         |                    |                      | <b>Pound-Feet</b>   |                                            |                      |                     |
| -12                         | 19.0 mm<br>(3/4 inch)   | 1-3/16-12          | 117 to 128           | 86 to 94            | 1-1/16-12                                  | 142 to 160           | 105 to 117          |
| -16                         | 25.4 mm<br>(1.0 inch)   | 1-7/16-12          | 152 to 174           | 112 to 128          | 1-5/16-12                                  | 237 to 254           | 175 to 187          |
| -20                         | 31.8 mm<br>(1-1/4 inch) | 1-11/16-12         | 179 to 201           | 132 to 148          |                                            |                      |                     |
| -24                         | 38.1 mm<br>(1-1/2 inch) | 2-12               | 213 to 235           | 157 to 173          |                                            |                      |                     |

| Pipe fittings      |                |                               |
|--------------------|----------------|-------------------------------|
| Nom. SAE Dash Size | Thread Size    | TFFT (Turns For Finger Tight) |
| -2                 | 1/8 - 27       | 2.0 - 3.0                     |
| -3                 | 1/8 - 27       | 2.0 - 3.0                     |
| -4                 | 1/8 - 27       | 2.0 - 3.0                     |
| -5                 | 1/8 - 27       | 2.0 - 3.0                     |
| -6                 | 1/4 - 18       | 1.5 - 3.0                     |
| -8                 | 3/8 - 18       | 2.0 - 3.0                     |
| -10                | 1/2 - 14       | 2.0 - 3.0                     |
| -12                | 3/4 - 14       | 2.0 - 3.0                     |
| -14                | 3/4 - 14       | 2.0 - 3.0                     |
| -16                | 1 - 11 1/2     | 1.5 - 2.5                     |
| -20                | 1 1/4 - 11 1/2 | 1.5 - 2.5                     |
| -24                | 1 1/2 - 11 1/2 | 1.5 - 2.5                     |
| -32                | 2 - 11 1/2     | 1.5 - 2.5                     |

**NOTE:** Apply sealant/lubricant to male pipe threads. The first two threads should be left uncovered to avoid system contamination. Screw pipe fitting into female pipe port to the finger tight position. Wrench tighten fitting to the appropriate turns from finger tight (TFFT) shown in table above, making sure the tube end of an elbow or tee fitting is aligned to receive incoming tube or hose fitting.

# Section 1002

1002

## FLUIDS AND LUBRICANTS

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## CAPACITIES AND LUBRICANTS

### FUEL TANK

|                       |                                          |
|-----------------------|------------------------------------------|
| Capacity (95XT) ..... | 76.4 litres (20.2 U.S. gallons)          |
| Capacity (90XT) ..... | 78.3 litres (20.7 U.S. gallons)          |
| Capacity (85XT) ..... | 65.5 litres (17.3 U.S. gallons)          |
| Specifications .....  | See diesel fuel specifications on page 5 |

### COOLING SYSTEM

|                                |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Capacity .....                 | 16.5 litres (17.5 quarts)                                                                                 |
| Recovery bottle capacity ..... | 2 litres (2.1 quarts)                                                                                     |
| Specifications .....           | 50% water and 50% ethylene glycol<br>.....(w/ a supplemental coolant additive for cavitation protection.) |

### HYDRAULIC SYSTEM

|                                           |                                                           |
|-------------------------------------------|-----------------------------------------------------------|
| Capacity - System (95XT) .....            | 66.2 litres (17.5 gallons)                                |
| Capacity - System (90XT) .....            | 64.4 litres (17.0 gallons)                                |
| Capacity - System (85XT) .....            | 62.4 litres (16.5 gallons)                                |
| Specifications (95XT and 90XT only) ..... | Case AKCELA Hy Tran Ultra                                 |
| Specifications (85XT only) .....          | Case AKCELA No. 1 Engine Oil SAE 10W-30 with HTO additive |

### CHAIN COMPARTMENTS

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Capacity - Each Side .....                | 7.6 litres (8.0 quarts)                 |
| Specifications (95XT and 90XT only) ..... | Case AKCELA Hy Tran Plus                |
| Specifications (85XT only) .....          | Case AKCELA No. 1 Engine Oil, SAE 10W30 |

### BATTERY

|                      |                 |
|----------------------|-----------------|
| Quantity .....       | As required     |
| Specifications ..... | Distilled water |

### GREASE FITTINGS

|                                 |                                  |
|---------------------------------|----------------------------------|
| Quantity .....                  | As required                      |
| Attachments (If equipped) ..... | Quantity as required             |
| Specifications .....            | Case AKCELA molydisulfide grease |

### ENGINE CRANKCASE OIL

|                                        |                                                                                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Capacity - with filter change .....    | 10.4 litres (11.0 quarts)                                                                                                 |
| Capacity - without filter change ..... | 9.5 litres (10.0 quarts)                                                                                                  |
| Specifications .....                   | Case AKCELA No. 1 Engine Oil SAE 15W-40 (API service CH-4)<br>.....(See Oil Viscosity/Temperature Ranges Chart on page 4) |

## ENVIRONMENT

Before you service this machine and dispose of oil, fluids and lubricants, always remember the environment. Do not put oil or fluids into the ground or into containers that can leak. Check with your local environmental, recycling center or your Case dealer for correct disposal information.



## ENGINE LUBRICATION

### Engine Oil Selection

Case AKCELA No. 1 Engine Oil is recommended for use in your Case Engine. Case AKCELA No. 1 Engine Oil will lubricate your engine correctly under all operating conditions.



RH99K130

Case AKCELA Multi-Viscosity No. 1 Engine Oil meets API engine oil service category CH-4.

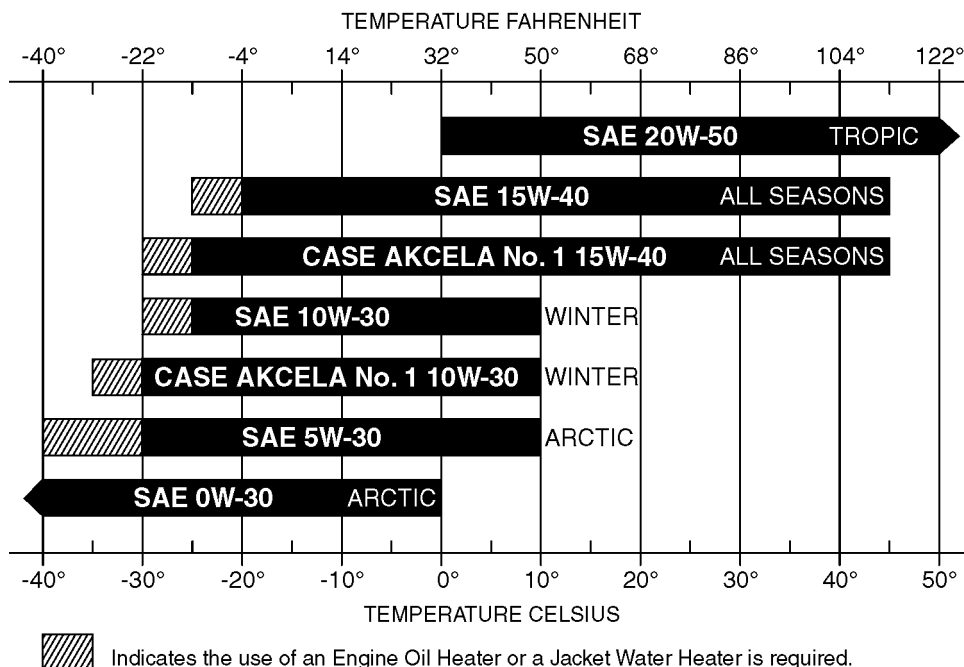
See the chart below for recommended viscosity at ambient temperature ranges.

**NOTE:** Do not put Performance Additives or other oil additive products in the engine crankcase. The oil change intervals given in the operating manual are according to tests with Case AKCELA lubricants.



BD03E011

### Oil Viscosity/Temperature Ranges



BC02N250

## DIESEL FUEL SYSTEM

Use No. 2 diesel fuel in the engine of this machine. The use of other fuels can cause the loss of engine power and high fuel consumption.

In very cold temperatures, a mixture of No. 1 and No. 2 diesel fuels is temporarily permitted. See the following:

**NOTE:** *NOTE: See your fuel dealer for winter fuel requirements in your area. If the temperature of the fuel lowers below the cloud point (wax appearance point), wax crystals in the fuel will restrict the fuel filter and cause the engine to loose power or not start.*

The diesel fuel used in this machine must meet the specifications below, "Specifications for Acceptable No. 2 Diesel Fuel" or Specification D975-81 of the American Society for Testing and Materials.

### Fuel Storage

If you keep fuel in storage for a period of time, you can get foreign material or water in the fuel storage tank. Many engine problems are caused by water in the fuel.

Keep the fuel storage tank outside and keep the fuel as cool as possible. Remove water from the storage container at regular periods of time.

Fill the fuel tank at the end of the daily operating period to prevent condensation in the fuel tank.

### Specifications for Acceptable No. 2 Diesel Fuel

|                                                   |                                            |
|---------------------------------------------------|--------------------------------------------|
| API Gravity, Minimum .....                        | 34                                         |
| Flash Point, Minimum .....                        | 60°C (140°F)                               |
| Cloud Point (wax appearance point), Maximum ..... | -20°C (-5°F)                               |
| Pour Point, Maximum .....                         | -26°C (-15°F)                              |
| Distillation Temperature, 90% Point .....         | 282 to 338°C (540 to 640°F)                |
| Viscosity, at 38°C (100°F)                        |                                            |
| Centistokes .....                                 | 2.0 to 4.3                                 |
| Saybolt Seconds Universal .....                   | 32 to 40                                   |
| Cetane Number, Minimum .....                      | 43 (45 to 55 for winter or high altitudes) |
| Water and Sediment, by Volume, Maximum .....      | 0.5 of 1%                                  |
| Sulphur, by Weight, Maximum .....                 | 0.5 of 1%                                  |
| Copper Strip Corrosion, Maximum .....             | No. 2                                      |
| Ash, by Weight, Maximum .....                     | 0.1 of 1%                                  |

## NOTES

# **Section**

# **1003**

**1003**

## **METRIC CONVERSION CHART**

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## CONVERSION FACTORS

### Metric to U.S.

|                     | <u>MULTIPLY</u>                                                                                  | <u>BY</u>                                                                                            | <u>TO OBTAIN</u>                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Area:</b>        | sq. meter<br>hectare                                                                             | 10.763 91<br>2.471 05                                                                                | square foot<br>acre                                                                                                                           |
| <b>Force:</b>       | newton<br>newton                                                                                 | 3.596 942<br>0.224 809                                                                               | ounce force<br>pound force                                                                                                                    |
| <b>Length:</b>      | millimeter<br>meter<br>kilometer                                                                 | 0.039 370<br>3.280 840<br>0.621 371                                                                  | inch<br>foot<br>mile                                                                                                                          |
| <b>Mass:</b>        | kilogram                                                                                         | 2.204 622                                                                                            | pound                                                                                                                                         |
| <b>Mass/Area:</b>   | kilogram/hectare                                                                                 | 0.000 466                                                                                            | ton/acre                                                                                                                                      |
| <b>Mass/Energy:</b> | gr/kW/hr.                                                                                        | 0.001 644                                                                                            | lbs/hp/hr.                                                                                                                                    |
| <b>Mass/Volume:</b> | kg/cubic meter                                                                                   | 1.685 555                                                                                            | lb/cubic yd.                                                                                                                                  |
| <b>Power:</b>       | kilowatt                                                                                         | 1.341 02                                                                                             | horsepower                                                                                                                                    |
| <b>Pressure:</b>    | kilopascal<br>bar                                                                                | 0.145 038<br>14.50385                                                                                | lb/sq. inch<br>lb/sq. inch                                                                                                                    |
| <b>Temperature:</b> | degree C                                                                                         | 1.8 x C +32                                                                                          | degree F                                                                                                                                      |
| <b>Torque:</b>      | newton meter<br>newton meter                                                                     | 8.850 748<br>0.737 562                                                                               | lb/inch<br>lb/foot                                                                                                                            |
| <b>Velocity:</b>    | kilometer/hr.                                                                                    | 0.621 371                                                                                            | miles/hr.                                                                                                                                     |
| <b>Volume:</b>      | cubic centimeter<br>cubic meter<br>cubic meter<br>milliliter<br>litre<br>litre<br>litre<br>litre | 0.061 024<br>35.314 66<br>1.307 950<br>0.033 814<br>1.056 814<br>0.879 877<br>0.264 172<br>0.219 969 | cubic inch<br>cubic foot<br>cubic yd.<br>ounce (US fluid)<br>quart (US liquid)<br>quart (Imperial)<br>gallon (US liquid)<br>gallon (Imperial) |
| <b>Volume/Time:</b> | litre/min.<br>litre/min.                                                                         | 0.264 172<br>0.219 969                                                                               | gallon/min. (US liquid)<br>gallon/min. (Imperial)                                                                                             |

## U.S. to Metric

|                     | <b><u>MULTIPLY</u></b>                                                                                                                   | <b><u>BY</u></b>                                                                                     | <b><u>TO OBTAIN</u></b>                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Area:</b>        | square foot<br>acre                                                                                                                      | 0.092 903<br>0.404 686                                                                               | square meter<br>hectare                                                                          |
| <b>Force:</b>       | ounce force<br>pound force                                                                                                               | 0.278 014<br>4.448 222                                                                               | newton<br>newton                                                                                 |
| <b>Length:</b>      | inch<br>foot<br>mile                                                                                                                     | 25.4 *<br>0.304 8 *<br>1.609 344 *                                                                   | millimeter<br>meter<br>kilometer                                                                 |
| <b>Mass:</b>        | pound<br>ounce                                                                                                                           | 0.453 592<br>28.35                                                                                   | kilogram<br>gram                                                                                 |
| <b>Mass/Area:</b>   | ton/acre                                                                                                                                 | 2241 702                                                                                             | kilogram/hectare                                                                                 |
| <b>Mass/Energy:</b> | lb/hp/hr                                                                                                                                 | 608.277 4                                                                                            | gr/kW/hr                                                                                         |
| <b>Mass/Volume:</b> | lb/cubic yd.                                                                                                                             | 0.593 276                                                                                            | kg/cubic meter                                                                                   |
| <b>Power:</b>       | horsepower                                                                                                                               | 0.745 700                                                                                            | kilowatt                                                                                         |
| <b>Pressure:</b>    | lbs/sq. in.<br>lbs/sq. in.<br>lbs/sq. in.                                                                                                | 6.894 757<br>0.069<br>0.070 303                                                                      | kilopascal<br>bar<br>kg/sq. cm                                                                   |
| <b>Temperature:</b> | degree F                                                                                                                                 | 1.8 F - 32                                                                                           | degree C                                                                                         |
| <b>Torque:</b>      | pound/inch<br>pound/foot                                                                                                                 | 0.112 985<br>1.355 818                                                                               | newton meter<br>newton meter                                                                     |
| <b>Velocity:</b>    | miles/hr.                                                                                                                                | 1.609 344 *                                                                                          | kilometer/hr.                                                                                    |
| <b>Volume:</b>      | cubic inch<br>cubic foot<br>cubic yard<br>ounce (US fluid)<br>quart (US liquid)<br>quart (Imperial)<br>gallon (US)<br>gallons (Imperial) | 16.387 06<br>0.028 317<br>0.764.555<br>29.573 53<br>0.946 353<br>1.136 523<br>3.785 412<br>4.546 092 | cubic centimeter<br>cubic meter<br>cubic meter<br>milliliter<br>litre<br>litre<br>litre<br>litre |
| <b>Volume/Time:</b> | gallon/min.                                                                                                                              | 3.785 412                                                                                            | litre/min.                                                                                       |

\* = exact

Click on the image link below for the full version of the service manual

