# Parts \& Service Manual 

1990<br>R3-10B402 110-4e 4-SPEED<br>R3-12B601 112-6e 6-SPEED

899001R1


## INTRODUCTION PAGE

## 1. How to use this parts manual

1.1. The 100 -Series parts manual is divided into major sections arranged in the sequence as outlined on the following page. Major sections are subdivided into smaller groups of parts, each with its own illustration and illustration reference numbers.
1.2. Illustrated items are numerically keyed to the parts listing on the facing page. Illustrations are repeated when the parts list is too long for one page. Figure numbers are located at the bottom of each illustration and also at the beginning of each description column. Item numbers are numerically keyed to their respective illustrations.
1.3. When an (X) appears in the quantity (Qty) column use only if applicable, or as required to meet tolerances.

## 2. To locate parts

When function, use or location is known:
Refer to the List of Illustrations to locate the proper illustration.

## 3. Service Information

3.1. Special notes recorded on illustrations:

Refer to operator's manuals and service bulletins for detailed information.
3.2. Standard torque values for fasteners:

Refer to Section 13 - Torque Specifications.
3.3. Paint:

Refer to Section 13 - Paint

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Figure 1-1 Frame

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 1-1 FRAME |  |
| 1 | 112502 | Rear Frame |  |
| 2 | 111303 | Front Frame |  |
| 3 | 110311 | Flange Bearing | 2 |
| 4 | 110426 | Special Washer | X |
| 5 | 932037 | Cotter Pin $3 / 6 \times 1-3 / 4$ |  |
| 6 | 110406 | Mower Hanger Bracket |  |
| 7 | 908033 | Bolt 3/8-16 $\times 7 / 8$ | 2 |
| 8 | 915663 | E.S. Nut 3/8-16 | 2 |
| 9 | 112922 | Rod Assembly |  |
| 10 | 109229 | Compression Spring |  |
| 11 | 920094 | Washer 3/8 SAE | 2 |
|  | 915113 | Nut 3/8-16 (Not illustrated) |  |
| 12 | 110656 | Trunnion |  |
| 13 | 932008 | Cotter Pin 3/32 $\times 3 / 4$ |  |
| 14 | 111088 | Rear Rod RH |  |
| 15 | 111087 | Rear Rod LH |  |
| 16 | 911450 | Bolt 5/16-18 $\times 1-1 / 2$ HHCS 5/16-18 $\times 3 / 4$ | 4 |
| 17 | 112536 | Locknut 5/16-18 |  |
| 18 | MW1455 | Grease Fitting . . | 2 |
| 19 | 111300 | Sandpaper Footrest Mat RH 110-4 |  |
|  | 111299 | Sandpaper Footrest Mat LH 110-4 |  |
| 20 | 111324 | Rubber Footrest Mat RH 112-6 |  |
|  | 111325 | Rubber Footrest Mat LH 112-6........ | 1 |



Figure 2-1 Mechanical Transmission
PART
Figure 2-1
MECHANICAL TRANSMISSION112137* Peerless Transmission (900-028) 110-41
112102* Peerless Transmission (920-007) 112-6 ..... 1
110326 Rear Axle Bracket ..... 2
913183 Bolt 3/8-16 x 7/8 Grd 5 ..... 4
915663 E.S. Nut 3/8-16 ..... 4
908025 Bolt 5/16-18 x 2-1/2 ..... 3
915662 E.S. Nut 5/16-18 ..... 4
908026 Bolt 5/16-18 x 2-3/4 ..... 1
110848 Brake Stop Rod ..... 1
920008 Washer 5/16 SAE ..... 5
110836 Torque Strap 110-4 ..... 1
112138 Torque Strap 112-6 ..... 1
$926720 \quad$ Swage Form Hex Bolt 5/16-18 x 3/4 ..... 2
908017 Bolt 5/15-18 x 3/4 ..... 2
915662 E.S. Nut 5/16-18 ..... 2
110330 Lower Shift Lever ..... 1
908153 Eslok Bolt 1/4-28 x 7/8 ..... 1
920081 Lockwasher 1/4 ..... 1
104869 Special Washer ..... 1
111109 Shift Lever ..... 1
111106 Shift Support ..... 1
908017 Bolt 5/16-18 x 3/4 ..... 4
915662 E.S. Nut 5/16-18 ..... 4
5701 E-Ring ..... 1
102597 Grip ..... 1
920259 Washer 3/8 SAE ..... X
112289 Lower Shift Rod 110-4 ..... 1
112128 Lower Shift Rod 112-6 ..... 1
920008 Washer 5/16 SAE ..... 2
$932008 \quad$ Cotter Pin 3/32 x 3/4 ..... 2
111357 "J"' Clip (1/4) Bolt Size) ..... 2
$913160 \quad$ Bolt 5/16-18 x 3/4 Grd 5 ..... 2
111392 "'J"' Clip (5/16 Bolt Size) ..... 1
519337 Clip ..... 1
920155 Internal Tooth Lockwasher 5/16 ..... 1

* Transmission and transmission parts are available through manufacturer's distribution system, using model and spec. numbers shown above. WHEEL HORSE part numbers are listed for cross reference purposes only; transmission and transmission parts are not available through the WHEEL HORSE distribution system.


Figure 3-1 Front Axle and Steering

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 3-1 <br> FRONT AXLE AND STEERING |  |
| 1 | 113384 | Spindle RH |  |
| 2 | 113383 | Spindle LH |  |
| 3 | 111102 | Bushing |  |
| 4 | 104822 | Retaining Ring 3/4 | 2 |
| 5 | 920015 | Washer 3/4 SAE | 2 |
| 6 | 1278 | Shim Washer . 050 |  |
| 7 | 112106 | Steering Shaft |  |
| 8 | 110320 | Upper Steering Support |  |
| 9 | 926720 | Swage Form Bolt 5/26-18 $\times 3 / 4$ | 2 |
| 10 | 112129 | Tie Rod LH |  |
| 11 | 112130 | Tie Rod RH |  |
| 12 | 920237 | Special Washer |  |
| 13 | 932008 | Cotter Pin 3/32 x $3 / 4$ |  |
| 14 | 110324 | Bushing | 2 |
| 15 | 932018 | Cotter Pin 1/8 $\times 1-1 / 4$ |  |
| 16 | 109262 | Washer |  |
| 17 | 112303 | Steering Wheel 110-4 |  |
|  | 110889 | Steering Wheel 112-6 |  |
| 18 | 908006 | Bolt $1 / 4 \times 1-1 / 4$ | 2 |
| 19 | 915661 | E.S. Nut 1/4-20 |  |
| 20 | 920215 | Special Washer |  |
| 21 | 110892 | Steering Wheel Grips 112-6 | 2 |
| 22 | 112108 | Bushing . ............................. . | 4 |



Figure 4-1 Clutch, Brake Linkage
PART
Figure 4-1
CLUTCH, BRAKE LINKAGE
110340 Clutch/Brake Pedal Rod ..... 1
108861 Pedal Support Bracket ..... 1
908032 Bolt 3/8-16 x 3/4 ..... 2
915663 E.S. Nut 3/8-16 ..... 2
108854 Clutch/Brake Pedal Pad ..... 1
106649 Grip Ring ..... 1
111715 Clutch Rod ..... 1
920009 Washer 3/8 SAE ..... 2
932008 Cotter Pin 3/32 x 3/4 ..... 2
103628 Extension Spring ..... 1
110911 Brake Rod ..... 1
109832 Brake Spring ..... 1
932008 Cotter Pin 3/32 x 3/4 ..... 1
920009 Washer 3/8 SAE ..... 3
915663 E.S. Nut 3/8-16 .....  1
110363 Clutch Traction Lever ..... 1
111108 Spacer ..... 1
2844 Special Washer ..... 1
908035 Bolt 3/8-16 x 1/4 ..... 1
915663 E.S. Nut 3/8-16 ..... 1
111159 Extension Spring ..... 1
111070 Round Knob ..... 1
104841 Spring ..... 1
107675 Nylon Washer ..... 1


Figure 5-1 Sheet Metal
PARTNUMBERDESCRIPTION100-Series
Figure 5-1SHEET METAL
110323 Steering Shroud Cover ..... 1
110430 Hex Washer Head Self Tapping Screw ..... 10
114283 Seat Support ..... 1
913183 Bolt 3/8-16 x 7/8 GRD 5 ..... 4
915663 E.S. Nut 3/8-16 ..... 3
908017 Bolt 5/16-18 X 3/4 ..... 1
920008 Washer 5/16 SAE ..... 2
915662 E.S. Nut 5/16-18 ..... 2
119950 Fuel Tank Support Angle LH 112-6 ..... 1
110353 Fuel Tank Support Angle LH 110-4 ..... 1
119960 Fuel Tank Support Angle RH 112-6 ..... 1
110354 Fuel Tank Support Angle RH 110-4 ..... 1
$908015 \quad$ Bolt 5/16-18 X 1/2 ..... 4
915112 Eslok Nut 5/16-18 ..... 4
106331 Neoprene Cup ..... 2
106449 Pin ..... 2
104841 Spring ..... 2
932008 Cotter Pin 3/32 x 3/4 ..... 2
110470 Shift Plate ..... 1
$908017 \quad$ Bolt 5/16-18 x 3/4 ..... 2
920008 Washer 5/16 SAE ..... 2
915662 E.S. Nut 5/16-18 ..... 2
111071 Bumper ..... 2
$908019 \quad$ Ground Wire Bolt $5 / 16-18 \times 1$ ..... 1
915113 Eslok Nut 3/8-16 ..... 1
8830 ,,J'’ Clip (3/8 Bolt Size) ..... 1
920155 Internal Tooth Lockwasher 5/16 ..... 1

## LUBRICANT

SEE OWNER‘S MANUAL FOR OIL VISCOSITY \& TYPE
110-11/8 QTS.
112-11/2 QTS.


Figure 6-1 Engines

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
| 1 |  | Figure 6-1 ENGINES |  |
|  | 114887 | Engine - 10 HP Briggs \& Stratton I/C Model 256707 Type 011701 0120-01 | , |
|  | 118390 | Engine - 12 HP Briggs \& Stratton I/C Quiet Model 281707 Type 021901 |  |
|  | 112676 | Drain Pipe used on engine (not illustrated) |  |
|  | 5224 | Pipe Cap used on engine (not illustrated) |  |
|  | 908021 | Bolt 5/16-18 $\times 11 / 2$ used on engine (not illustrated) | 2 |
|  | 908023 | Bolt 5/16-18 $\times 2$ used on engine (not illustrated) | 1 |
|  | 920008 | Washer 5/16 SAE used on engine (not illustrated) | 5 |
|  | 915662 | E.S. nut 5/16-18 used on engine (not illustrated) | 5 |
|  | 915112 | Eslok Nut used on engine (not illustrated) 5/16-18 |  |
| 10 | 115962 | Engine Head Bracket |  |
|  | 915112 | Nut 5/16-18 (not illustrated). | 2 |
| 12 | 920082 | Lockwasher 5/16 | 2 |
| 30 | 8830 | Clip |  |
| 31 | 920123 | External Tooth Lockwasher 5/16. | 2 |
| 33 | 938031 | Bushing . . . . . . . . . . . . . . . . . . . . . . . | 1 |



Figure 7-1 Fuel System
PARTNUMBERDESCRIPTIONITEM

114194
104048
104047 110352 110925 119940 110927 100088 108898915740
Figure 7-1 FUEL SYSTEM
Fuel Tank (includes items $2 \& 3$ ) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Fel Tank ( fiting wiscreen
1
Fuel Tank Fitting w/Screen
1
Bushing
1
Fuel Tank Cap w/ Gasket
Fuel Tank Retainer RH ..... 1
Retainer Tank LH ..... 1
Spring ..... 2
Fuel Hose 9'' (24 cm ) ..... 1
Hose Clamp ..... 2
Cable Tie ..... 1
Choke/Throttle Control ..... 1
Choke Throttle Knob ..... 1
Pan Head Screw nr. 10-24 x 1/2 ..... 2
E.S. Nut nr. 10-24 ..... 2
Fuel Cap Gasket ..... 1


Figure 8-1 Electrical System

## Figure 8-1

## ELECTRICAL SYSTEM

114834
110379 Battery

110427 Battery Acid Adapter . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111185 Battery Metric Nuts \& Bolts Pkg . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . X
110424 Battery Drain Hose . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111335 Battery Saddle Tray . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111339 Battery Tray Bracket . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111340 Battery Hold-Down Strap . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915112 Eslok Nut 5/16-18 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
111341 Battery Ground Cable \& Battery to Solenoid Cable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
111075 Solenoid To Engine Starter Cable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111215 Ignition Switch (includes items 14 \& 15) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
920160 Internal Lockwasher 5/8 .......................... . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
101884 Nut 5/8-32 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1


111365 Transmission Interlock Switch .................................................................... . . . . 1
109329 Seat Interlock Switch . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
111045 Cable Boot .............................................................................................. . . . . 1
110167 Solenoid ..................................................................................................... . . . . . 1
960151 Whizlock Bolt 1/4-20 x 1/2 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
100571 Cable Tie .................................................................................................. 4
109445 Fuse Body Mounting Clip . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
10935515 Amp Fuse . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
10910225 Amp Fuse . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

105302 Terminal Housing (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

113090 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
113124 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6
113088 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
518074 Socket Contact (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
107831 Body (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
109378 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
108995 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
518007 Wire Terminal (Part of 1) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915111 Nut 1/4-20 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4
920081 Lockwasher $1 / 4$.......................................................................................... . . . . 2


Figure 8-1 Electrical System

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 8-1 <br> ELECTRICAL SYSTEM (CONTINUED) |  |
| 52 | 938031 | Bushing Snap |  |
| 55 | 8830 | Clip |  |
| 56 | 109357 | Connector Body (Part of 1) |  |
| 57 | 113206 | Male Terminals (Part of 1) | 2 |
| 60 | 908017 | Hex Bolt 5/16-18 x 3/4 |  |
| 69 | 111498 | 3 Terminal Connector | 2 |
| 78 | 910478 | Screw nr. 4-40 x 1-1/4 | 2 |
| 79 | 915732 | E.S. Nut nr. 4-40 |  |
| 81 | 113921 | Mower Ground Wire |  |
| 82 | 111364 | Wiring Harness |  |



Figure 9-1 Wheels and Tires

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 9-1 <br> WheeIS AND TIRES |  |
| 1 | 112195 | Rear wheel and Tire |  |
| 2 | 112196 | Rear Wheel | 2 |
| 3 | 9792 | Rear Tire $16 \times 6.50-8$ | 2 |
| 4 | 5108 | Valve Stem | 2 |
| 5 | 105293 | Inner Tube Service Only | X |
| 6 | 113343 | Front Wheel and Tire |  |
| 8 | 113344 | Front Wheel w/Bushings \& Grease Fit | 2 |
| 9 | 113342 | Bushing |  |
| 10 | 108444 | Tire $4.10 \times 3.50-4$ | 2 |
| 11 | 100041 | Front Tube Service Only | X |
| 12 | 109262 | Wheel Washer | 4 |
| 13 | 920250 | Shim Washer . 050 | X |
| 14 | 104636 | E-Ring | 2 |
| 15 | 110387 | LH Axle Spacer | 2 |
| 16 | 109154 | Hub Cap (Black) | 2 |
|  | 109261 | Hub Cap |  |
| 17 | 932018 | Cotter Pin $1 / 8 \times 1-1 / 4$ ' | 2 |
| 18 | 1120 | Squars Key $3 / 16 \times 1-3 / 4$ | 2 |
| 19 | 5210 | Washer . 015 | X |



Figure 10-1 Drive Belt and Pulleys

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 10-1 <br> DRIVE BELT AND PULLEYS |  |
| 1 | 111136 | Transmission Pulley | 1 |
| 2 | 937225 | Nr. 9 Hi-Pro Key | 1 |
| 3 | 909540 | Square Head Set Screw | 2 |
| 4 | 113112 | V-Idler Pulley | 1 |
| 5 | 908038 | Bolt 3/8-16 x 2 | 1 |
| 6 | 111108 | Spacer | 1 |
| 7 | 920039 | Special Washer 3/8 | 4 |
| 9 | 110362 | V-Idler Pulley Belt Guide | 1 |
| 10 | 109779 | Jam Nut 3/8-16 | 1 |
| 11 | 114113 | Engine Pulley | 1 |
| 13 | 908196 | Eslok Bolt $5 / 16 \times 3 / 4$ | 1 |
| 14 | 114262 | Engine Pulley Belt Guide | 1 |
| 15 | 908022 | Bolt 5/16-18 $\times 1-3 / 4$ | 2 |
| 16 | 920008 | Washer 5/16 SAE | 2 |
| 17 | 915662 | E.S. Nut 5/16-18 | 2 |
| 18 | 113105 | Transmission Drive Belt ( 33,1 ') | 1 |



Figure 10-2 PTO Clutch, Pulleys, and Controls

|  | PART |  | DESCRIPTION |
| :--- | :--- | :--- | :--- |
| ITEM | NUMBER | 100-Series |  |

Figure 10-2
PTO CLUTCH, PULLEYS, AND CONTROLS

## 8971

106388
936021
937089 Nr. 9 Woodruff Key
112109
1109 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

909862 Set Screw 5/16-18 x 5/16 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4
113151 Spacer Plate . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
908035 Bolt 3/8-16 x 1-1/4 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
915663 E.S. Nut 3/8-16 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
112110 PTO Brake Band ..................... . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111729 Shoulder Bolt . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111730 Long Shoulder Bolt . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915112 Eslok Nut 5/16-18 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
112111 PTO Clutch Lever Assy . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

920249 Spacial Washer . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
8510 V Idler Pulley . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
908041 HHCS 3/8-16 x 2-3/4 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915663 E.S. Nut 3/8-16 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
112425 Flat Idler Pulley . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

109779 Jam Nut 3/8-16 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
114231 PTO Drive Belt . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

932008 Cotter Pin $3 / 32 \times 3 / 4$. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
9038 Handle Grip . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111676 PTO Handle to Lever Rod . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
112113 Compression Spring . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
920008 Washer 5/16 SAE .................. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2
915662 E.S. Nut 5/16-18 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
932008 Cotter Pin $3 / 32 \times 3 / 4$. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3


6651 PTO Brake Spring . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
108571 Spring Washer . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . X
112756 PTO Switch Bracket . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915661 E.S. Nut 1/4-20 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
908002 Bolt 1/4-20 x 5/8 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
915111 Eslok Nut 1/4-20 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2


920008 Washer $5 / 16$ SAE . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
920007 Washer 1/4 SAE . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
908033 Bolt 3/8-16 x 7/8 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1


Figure 11-1 Seat and Suspension
PARTITEMNUMBERDESCRIPTION100-Series
Figure 11-1
SEAT AND SUSPENSION
Seat Mounting Bracket . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
111064 Seat Mounting Bracket1
908017 Bolt 5/16-18 x 3/4 .....  3
915662 Eslok Nut 5/16-18 ..... 3
113961 Seat Pivot Plate ..... 1
932960 Clevis Pin 5/8 ..... 2
108571 Spring Washer ..... 2
933504 Hair Pin Cotter 17/16 ..... 2
111090 Spring ..... 4
$908017 \quad$ Bolt $5 / 16-18 \times 3 / 4$ ..... 7
915662 Eslok Nut 5/16-18 ..... 3
920008 Washer 5/16 SAE ..... 9
116654 Seat ..... 1
908835 Screw 5/16-18 $\times 3 / 4$ ..... 1
915112 Nut 5/16-18 ..... 1
920082 Lockwasher 5/16 ..... 1


Figure 11-2 Decals and Miscellaneous

Figure 11-2
DECALS AND MISCELLANEOUS

117023
117024 Decal-Model 112-61111327 Parking Brake Decal,
88129 Parking Brake Decal German1
88130 Parking Brake Decal French ..... 1
88131 Parking Brake Decal Dutch ..... 1
112140 Shift Decal 4-Speed ..... 1
88126 Shift Decal 4-Speed Symbol ..... 1
112180 Shift Decal 6-Speed ..... 1
88127 Shift Decal Symbol 6-Speed ..... 1
88166 Ignition Throttle Decal Symbol 4-Speed ..... 1
88241 Ignition Throttle Decal Symbol 6-Speed ..... 1
111635 PTO Decal ..... 1
$88125 \quad$ PTO Decal Symbo ..... 1
111632 Clutch Brake Pedal Decal ..... 1
79242 Clutch Brake Pedal Decal German ..... 1
79234 Clutch Brake Pedal Decal French ..... 1
88124 Clutch Brake Pedal Decal Dutch ..... 1
113913 Decal-Fuel Tank Danger ..... 1
88108 Decal - Fuel Tank Danger German ..... 1
88109 Decal - Fuel Tank Danger French ..... 1
88110 Decal - Fuel Tank Danger Dutch ..... 1
111655 Mower Height Adjustment Decal ..... 1
88117 Mower Height Adjustment Decal Symbol ..... 1
111188 Decal-Danger Mower ..... 2
88090 Decal - Danger Mower German ..... 2
88091 Decal - Danger Mower French ..... 2
88092 Decal - Danger Mower Dutch ..... 2
110422 Decal-Danger ..... 1
88114 Decal - Danger German ..... 1
88115 Decal - Danger French ..... 1
88116 Decal - Danger Dutch ..... 1
112670 Decal-Operating Danger ..... 1
88093 Decal - Operating Danger German ..... 1
88094 Decal - Operating Danger French ..... 1
88095 Decal - Operating Danger Dutch ..... 1
115398 Decal-Maintenance ..... 1
88064 Decal - Maintenance German ..... 1
88063 Decal - Maintenance French ..... 1
88065 Decal - Maintenance Dutch ..... 1
112403 Decal-VIN Overlay ..... 1


Figure 11-2 Decals and Miscellaneous

| ITEM | PART NUMBER | DESCRIPTION | 100-Series |
| :---: | :---: | :---: | :---: |
|  |  | Figure 11-2 <br> DECALS AND MISCELLANEOUS (CONT’D) |  |
| 16 | 111926 | Decal-Electrical System |  |
|  | 88121 | Decal - Electrical Ststem German |  |
|  | 88122 | Decal - Electrical System French |  |
|  | 88123 | Decal - Electrical System Dutch |  |
| 18 | 114621 | Decal - Europe Noise |  |
| 20 | 807192 | Loose Parts Pack |  |
| 21 | 113180 | Deacl - PTO Adjustment Indicator |  |
|  | 88118 | Decal - PTO Adjustment Indicator German |  |
|  | 88119 | Decal - PTO Adjustment Indicator French |  |
|  | 88120 | Decal - PTO Adjustment Indicator Dutch |  |



Figure 12-1 Mower Deck and Front Mount
PARTMOWER DECK AND FRONT MOUNT

## Figure 12-1

MOWER DECK AND FRONT MOUNT
111143 Mower Deck ..... 1
110402 Front Mower Mount ..... 1
102704 Spacer ..... 2
908036 Bolt 3/8-16 X 1-1/2 ..... 2
920009 Washer 3/8 SAE ..... 2
915663 E.S. Nut 3/8-16 ..... 2
110405 Front Mower Bracket ..... 2
908034 Hex Bolt 3/8-16 x 1 ..... 4
915663 E.S. Nut 3/8-16 ..... 4
110409 Height Adjustment Rod ..... 1
113422 Clamp Note-Offset to Inside ..... 1
900063 Carriage Bolt 3/4-16 x 1 ..... 2
915663 E.S. Nut 3/4-16 ..... 2
110914 Height Adjustment Rod ..... 1
920009 Washer 3/8 SAE ..... 2
932008 Cotter Pin 3/32 x 3/4 ..... 2
110412 Mower Support Cable ..... 2
915112 Eslok Nut 5/16-18 ..... 4
932961 Clevis Pin $3 / 8 \times 3 / 4$ ..... 2
932008 Cotter Pin $3 / 32 \times 3 / 4$ ..... 2
920008 Washer 5/16 SAE ..... 2
920009 Washer 3/8 SAE (left side only) ..... 1
110413 Height Adjustment ..... 1
$933182 \quad$ Spirol Pin $3 / 16 \times 5 / 8$ ..... 1
110841 Clamp ..... 1
900063 Carriage Bolt 3/8-16 x 1 ..... 4
915663 E.S. Nut 3/8-16 ..... 4
110418 Height Adjustment Lever ..... 1
101853 Spring ..... 1
102597 Grip ..... 1
900014 Carriage Bolt $1 / 4-20 \times 5 / 8$ ..... 2
915661 E.S. Nut 1/4-20 ..... 4
920007 Washer 1/4 SAE ..... 4
115206 Mower Deflector ..... 1
920155 Internal Tooth Lockwasher 5/16 ..... 2
112736 Front Mounting Plate ..... 1
900015 Carriage Bolt $1 / 4-20 \times 3 / 4$ ..... 1
920122 External Tooth Lockwasher 1/4 ..... 1

[^0]DO NOT use Eslok or other type locking nut.


Oz. *2 Multi-purpose Lithium Grease
RVICE INTERVAL 25 HRS.


Figure 12-2 Spindle, Pulleys, and Drive Belt


Figure 12-2

## SPINDLE, PULLEYS, AND DRIVE BELT




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113168
110441 Spindle Pulley
111135 Spindle Bearing
111140 Spindle Shaft
113167 Spindle Housing960013 Whiz Lock Nut 3/8-241
1030 Grease Fitting ..... 1
908017 Bolt 5/16-18 $\times 3 / 4$ ..... 4
915662 E.S. Nut 5/16-18 ..... 4
111144 Mower Blade 30" ..... 1
110398 Mower Idler Lever ..... 1
110400 Pivot Channel ..... 1
112125 Shoulder Bolt 7/16-14 .....  1
920010 Washer 7/16 SAE ..... 1
109996 Jam Nut 7/16-14 ..... 1
920259 Special Washer ..... 1
108177 Torsion Spring ..... 1
$932008 \quad$ Cotter Pin 3/32 x 3/4 ..... 1
900063 Carriage Bolt 3/8-16 x 1 ..... 1
920009 Washer 3/8 SAE ..... 2
915663 Elastic Nut 3/8-16 ..... 1
110910 Flat Idler Pulley ..... 1
908038 Bolt 3/8-16 x 2 ..... 1
915663 Elastic Nut 3/8-16 ..... 1
114567 Mower Drive Belt ..... 1
111156 Spindle Cup ..... 1
113309 Blade Bar ..... 1
*9150894 Nut 5/8 UNF ..... 1
911440 Bolt 1/2-13 x 3/4 GRD 8 ..... 2
106068 Spindle Spacer ..... 1
111138 Support Plate ..... 1
908034 Hex Bolt 3/8-16 x 1 ..... 4
915663 E.S. Nut 3/8-16 ..... 6
900233 Carriage Bolt 3/8-16 x 3/4 ..... 2
111683 Belt Cover ..... 1
2534 Clip ..... 1
112228 Spring ..... 1
1291 Grease Fitting ..... 1
920082 Lockwasher 5/16 ..... 4
2844 Washer ..... 1
109779 Hex Jam Nut 3/8-16 ..... 2
908033 HHCS 3/8-16 x 7/8 ..... 2

* "4" At end indicates free - running nut.

DO NOT use Eslok or other type locking nut.

TORQUE SPECIFICATIONS

| BOLT HEAD MARKINGS | $\begin{aligned} & \text { BOLT } \\ & \text { BODY SIZE } \\ & \text { In. } \cdot \text { Thread } \end{aligned}$ | SAE GRADE 1 or 2 |  | SAE GRADE 5 |  | SAE GRADE 6 or 7 |  | SAE GRADE 8 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Torque |  | Torque |  | Torque |  | Torque |  |
|  |  | Ft-Lb | Nm | Fi.Lb | Nm | Fi.Lb | Nm | Ft.Lb | Nm |
| Manulacturer's marks may vary Three line markings on heads shown below, for example. indi. cate SAE Grade 5 | $\begin{array}{r}1 / 4.20 \\ .28 \\ \hline\end{array}$ | 5 6 | $\begin{array}{r} 6.8 \\ 8.1 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ 10 \end{array}$ | $\begin{aligned} & 10.8 \\ & 13.6 \\ & \hline \end{aligned}$ | 10 | 13.6 | $\begin{aligned} & 12 \\ & 14 \end{aligned}$ | $\begin{aligned} & 16.2 \\ & 19.0 \end{aligned}$ |
|  | $5 / 16.18$ .24 | $\begin{aligned} & 11 \\ & 13 \end{aligned}$ | $\begin{aligned} & 15.0 \\ & 17.6 \end{aligned}$ | $\begin{aligned} & 17 \\ & 19 \end{aligned}$ | $\begin{aligned} & 23.0 \\ & 25.8 \end{aligned}$ | 19 | 25.8 | $\begin{aligned} & 24 \\ & 27 \end{aligned}$ | $\begin{aligned} & 32.5 \\ & 36.6 \end{aligned}$ |
|  | $\begin{array}{r} 3 / 8.16 \\ .24 \end{array}$ | $\begin{aligned} & 18 \\ & 20 \end{aligned}$ | $\begin{aligned} & 24.4 \\ & 27.1 \end{aligned}$ | $\begin{aligned} & 31 \\ & 35 \end{aligned}$ | $\begin{aligned} & 42.0 \\ & 47.5 \end{aligned}$ | 34 | 46.1 | $\begin{aligned} & 44 \\ & 49 \end{aligned}$ | $\begin{aligned} & 59.7 \\ & 66.4 \end{aligned}$ |
| SAE 1 or 2 <br> SAE 5 | $\begin{array}{r} 7 / 16.14 \\ .20 \\ \hline \end{array}$ | $\begin{aligned} & 28 \\ & 30 \end{aligned}$ | $\begin{aligned} & 38.0 \\ & 40.7 \end{aligned}$ | $\begin{aligned} & 49 \\ & 55 \end{aligned}$ | $\begin{aligned} & 66.4 \\ & 74.6 \end{aligned}$ | 55 | 74.6 | $\begin{aligned} & 70 \\ & 78 \end{aligned}$ | $\begin{array}{r} 95.0 \\ 105.8 \end{array}$ |
|  | $\begin{array}{r} 1 / 2 \cdot 13 \\ .20 \\ \hline \end{array}$ | $\begin{aligned} & 39 \\ & 41 \end{aligned}$ | $\begin{array}{r} 52.9 \\ 55.6 \\ \hline \end{array}$ | $\begin{aligned} & 75 \\ & 85 \end{aligned}$ | $\begin{aligned} & 101.7 \\ & 115.2 \end{aligned}$ | 85 | 115.2 | $\begin{aligned} & 105 \\ & 120 \end{aligned}$ | $\begin{aligned} & 142.4 \\ & 162.7 \end{aligned}$ |
|  | $\begin{array}{r} 9 / 16 \cdot 12 \\ 18 \end{array}$ | $\begin{aligned} & 51 \\ & 55 \end{aligned}$ | $\begin{aligned} & 69.1 \\ & 74.6 \end{aligned}$ | $\begin{aligned} & 110 \\ & 120 \end{aligned}$ | $\begin{aligned} & 149.1 \\ & 162.7 \end{aligned}$ | 120 | 162.7 | $\begin{aligned} & 155 \\ & 170 \end{aligned}$ | $\begin{aligned} & 210.1 \\ & 230.5 \end{aligned}$ |
| SAE 6 or 7  <br> SAE 8 | $\begin{array}{r} 5 / 8 \cdot 11 \\ -18 \end{array}$ | $\begin{aligned} & 83 \\ & 95 \end{aligned}$ | $\begin{aligned} & 112.5 \\ & 128.8 \end{aligned}$ | $\begin{aligned} & 150 \\ & 170 \end{aligned}$ | $\begin{aligned} & 203.3 \\ & 230.5 \end{aligned}$ | 167 | 226.4 | $\begin{aligned} & 210 \\ & 240 \end{aligned}$ | $\begin{aligned} & 284.7 \\ & 325.4 \end{aligned}$ |
|  | $\begin{array}{r} 3 / 4 \cdot 10 \\ .16 \end{array}$ | $\begin{aligned} & 105 \\ & 115 \end{aligned}$ | $\begin{aligned} & 142.4 \\ & 155.9 \end{aligned}$ | $\begin{aligned} & 270 \\ & 295 \end{aligned}$ | $\begin{aligned} & 366.1 \\ & 400.0 \end{aligned}$ | 280 | 379.6 | $\begin{aligned} & 375 \\ & 420 \end{aligned}$ | $\begin{aligned} & 508.4 \\ & 569.4 \end{aligned}$ |
|  | $\begin{array}{r} 7 / 8.9 \\ .14 \end{array}$ | $\begin{aligned} & 160 \\ & 175 \end{aligned}$ | $\begin{aligned} & 216.9 \\ & 237.3 \end{aligned}$ | $\begin{aligned} & 395 \\ & 435 \end{aligned}$ | $\begin{aligned} & 535.5 \\ & 589.8 \end{aligned}$ | 440 | 596.6 | $\begin{aligned} & 605 \\ & 675 \end{aligned}$ | $\begin{aligned} & 820.3 \\ & 915.2 \end{aligned}$ |
|  | 1.8 .14 | $\begin{aligned} & 235 \\ & 250 \end{aligned}$ | $\begin{aligned} & 318.7 \\ & 339.0 \end{aligned}$ | $\begin{aligned} & 590 \\ & 660 \end{aligned}$ | $\begin{aligned} & 799.9 \\ & 894.8 \end{aligned}$ | 660 | 894.8 | $\begin{aligned} & 910 \\ & 990 \end{aligned}$ | $\begin{aligned} & 1233.8 \\ & 1342.2 \end{aligned}$ |

## FUEL line

$50^{\prime}$ bulk fuel line ID . $250 \times$ OD .550 - nr. 112570
FASTENERS

* All hex bolts GRADE 5 minimum, GRADE 8 used as noted.
* All carriage bolts GRADE 1 unless otherwise noted.
* In plaçe of ESLOK or E.S. nuts, use LOCTITE or lock washers with free running nuts.


## PAINT

Red Enamel - 6 cans, order nr. 8-0311
Red Enamel - Quart can. nr. 5340 (Non-aerosol)*
Beige Enamel - 6 cans, order nr. 8-0321
Black Enamel - 6 cans, order nr. 8-0334
Pewter Metallic Enamel - 6 cans, order nr. 8-0335
(Automotive Equivalent: 1971 Lincoln-Mercury Pewter Metallic)
White Enamel - 6 cans, order nr. 8-0336
Pewter Gray Enamel - 6 cans, order nr. 8-0337
(Automotive Equivalent: 1982 Lincoln Light Pewter)
Silver Metallic Enamel - 6 cans, order nr. 8-0338
Pewter Gray Enamel - Quart can nr. 5347 (Non-aerosol)* *

* Thinning - use automotive enamel reducer with zylol (slow drying time) or toluol (fast drying time) - no mineral spirits.
** Thin with zylol



[^0]:    * " 4 "' At end indicates free - running nut.

