FORM NO. 3317–880 REV B

TORO®

## Carefree® Cordless

# 36 Volt Electric Mower

**Model No.20649 – 6900001 & Up**

# Parts Catalog

## ORDERING REPLACEMENT PARTS

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

# Contents


| Description | Page |
|---|---|
| Deck, Liner and Wheel Assembly | 1 |
| Motor, Batteries and Blade Assembly | 2 |
| Cover, Mulch Plug and Panel Assembly | 3 |
| Handle and Controls Assembly | 4 |
| Wiring Diagram and Side Discharge Chute | 5 |


**Note:**

# Accessories

| Description | Model / Parts No. | Description | Model / Parts No. |
|---|---|---|---|
| . . 18” Bag Kit | 59294 | | |

# Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning |
|---|---|
| AR | as required |
| ASM | assembly |
| CARR | carriage |
| DEG | degrees |
| FH | flat head |
| GA | gauge |
| HF | hex flange |
| HFW | hex flange washer |
| HH | hex head |
| HHF | hex head flange |
| HHST | hex head self tapping |
| HJ | hex jam |
| HOC | height-of-cut |
| HS | hex socket |
| HSBH | hex socket button head |
| HSFH | hex socket flat head |
| HSH | hex socket head |
| HWH | hex washer head |
| HWHTF | hex washer head thread forming |
| INC | incorporated |
| LH | left hand |
| PH | pan head |
| PPH | Phillips pan head |
| PTO | power take off |
| RH | right hand |
| SFH | slotted fillister head |
| SH | square head |
| SHWH | slotted hex washer head |
| SPH | slotted pan head |
| STD | standard |
| TAP | self tapping |
| TH | truss head |
| TTH | Torx truss head |
| WH | wing head |

# Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.



©The TORO Company — 1996
*All Rights Reserved*

## Service Assemblies

Parts within service assemblies have reference numbers in the form *X:Y. X* is the reference number of the service assembly and *Y* is a sequential number unique to each part within the service assembly.

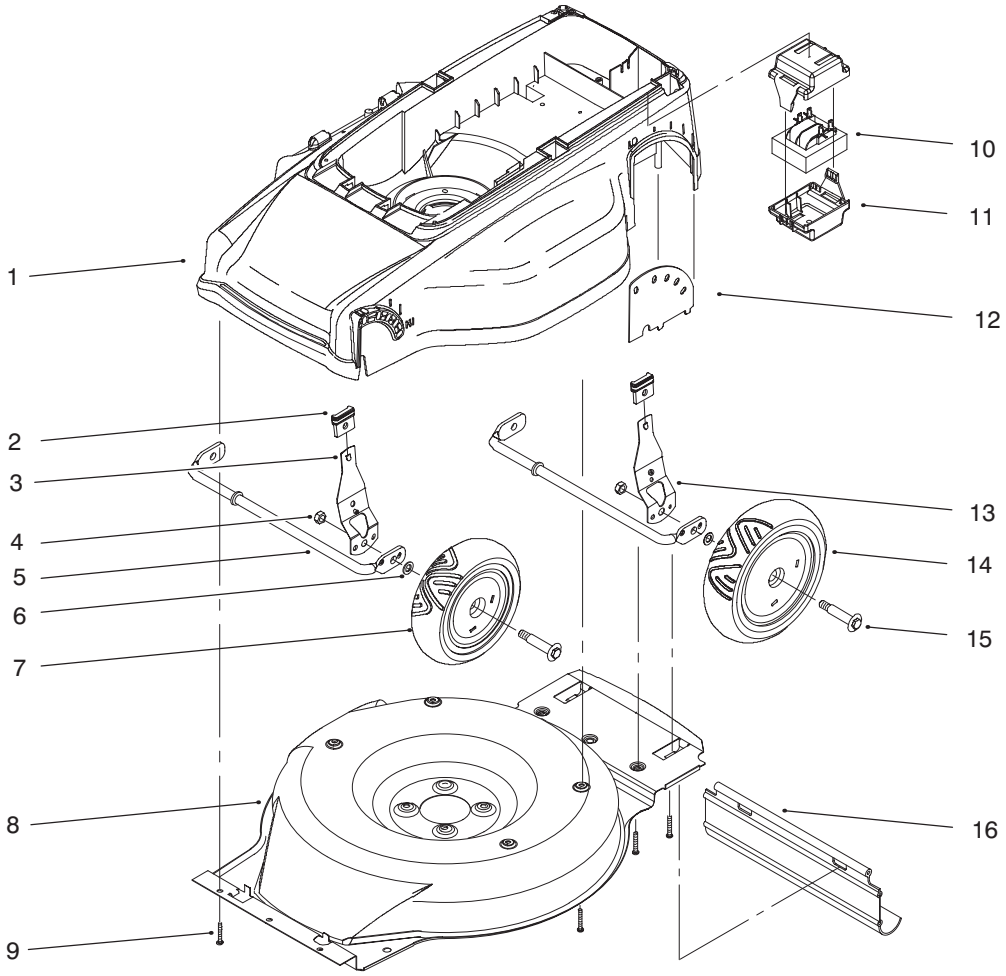
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in part lists and as callouts in illustrations.

## Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form *X (Y). X* is the reference number. *Y* in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

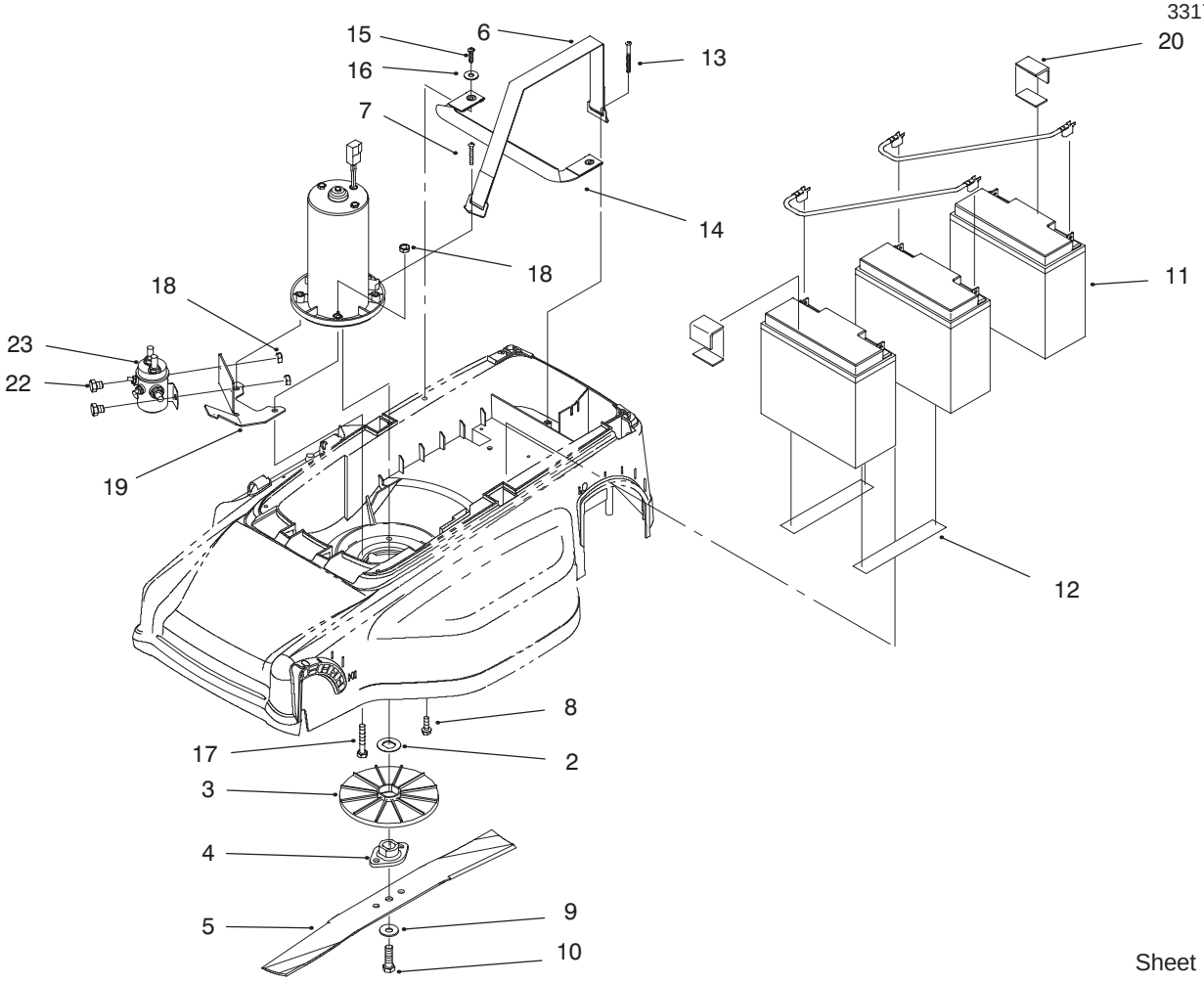



Sheet No.: 2

# Deck, Liner and Wheel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 94–3895 | 1 | ASM–Deck |
| 2 | 92–1008 | 2 | Knob–Height Adjust |
| 3 | 94–3870 | 1 | ASM–Front HOC Lever |
| 4 | 610358 | 4 | Nut–Lock |
| 5 | 93–3952 | 2 | Axle |
| 6 | 40–1940 | 4 | Washer |
| 7 | 92–9586 | 2 | ASM–Wheel |
| 8 | 94–3897 | 1 | ASM–Liner |
| 9 | 93–3985 | 11 | Screw–PPH |
| 10 | 93–3333 | 1 | Transformer 36 Volt |
| 11 | 93–3343 | 2 | Housing–Transformer |
| 12 | 93–3955 | 1 | Plate–HOC |
| 13 | 94–3871 | 1 | ASM–Rear HOC Lever |
| 14 | 93–0344 | 2 | ASM–Wheel |
| 15 | 92–1057 | 4 | Bolt–Shoulder |
| 16 | 94–7417 | 1 | Trailing Shield |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

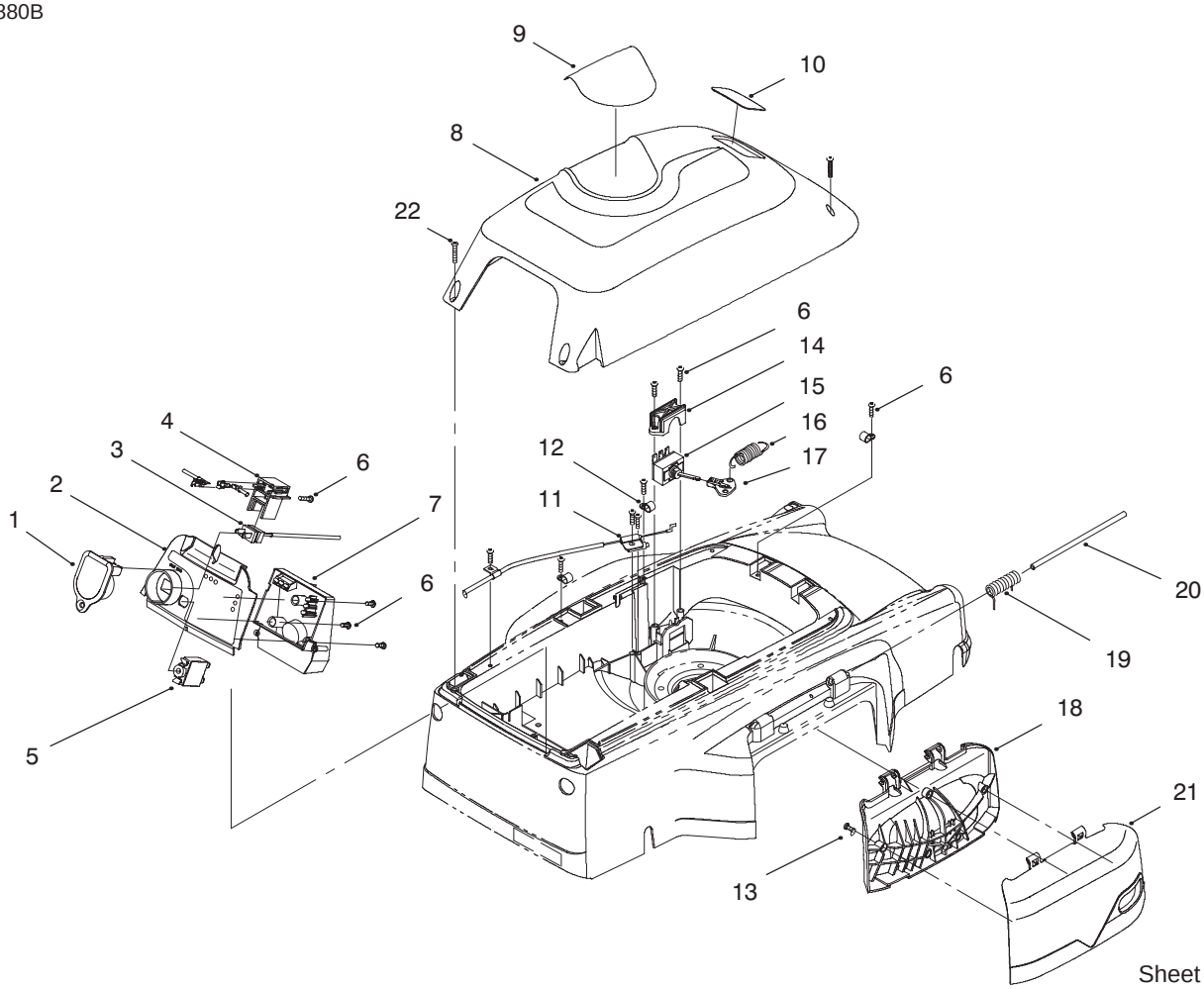



Sheet No.: 3

# Motor, Batteries and Blade Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 94–6919 | 1 | ASM–Motor 36 Volt |
| 2 | 93–3342 | 1 | Washer |
| 3 | 93–3340 | 1 | Fan |
| 4 | 93–3341 | 1 | Bushing |
| 5 | 93–3953 | 1 | Blade |
| 6 | 94–1181 | 1 | ASM–Battery Strap |
| 7 | 32144–8 | 1 | Screw–PPH |
| 8 | 32144–44 | 2 | Screw–HWHTF |
| 9 | 3290–340 | 1 | Washer–Spring |
| 10 | 93–3987 | 1 | Bolt–Blade |
| 11 | 94–3888 | 1 | ASM–Battery (Incl. Ref #12) |
| 12 | 94–1197 | 2 | Tape–Foam |
| 13 | 93–3986 | 1 | Screw–PPH |
| 14 | 94–7341 | 1 | Strap–Battery |
| 15 | 94–4496 | 2 | Screw |
| 16 | 3256–49 | 2 | Washer–Flat |
| 17 | 32144–110 | 2 | Screw–HWHTF |
| 18 | 3296–56 | 4 | Nut–Hex Lock |
| 19 | 95–3027 | 1 | Bracket–Solenoid |
| 20 | 95–3288 | 2 | Support–Battery |
| 22 | 3234–26 | 2 | Screw–HHF |
| 23 | 95–3256 | 1 | Solenoid–36 Volt |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

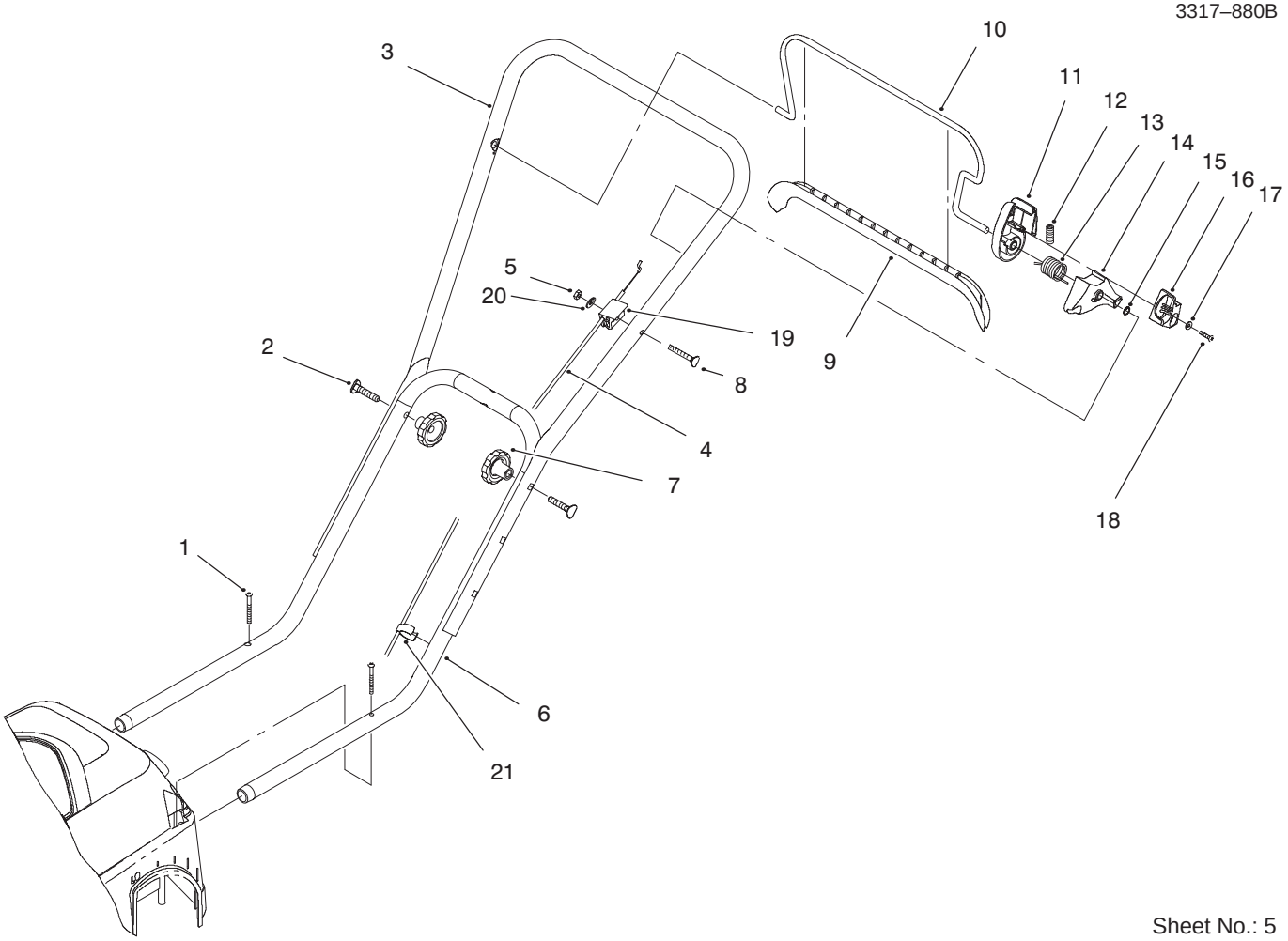



Sheet No.: 4

# Cover, Mulch Plug and Panel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 93–3950 | 1 | Key |
| 2 | 94–3881 | 1 | ASM–Panel |
| 3 | 93–3981 | 1 | ASM–Plug |
| 4 | 93–3344 | 1 | Housing–Plug |
| 5 | 93–3982 | 1 | Circuit Breaker |
| 6 | 94–4496 | 12 | Screw |
| 7 | 94–6921 | 1 | ASM–Circuit Board |
| 8 | 94–6914 | 1 | ASM–Cover |
| 9 | 94–3859 | 1 | Decal–Cover |
| 10 | 92–2289 | 1 | Plate–Logo |
| 11 | 93–3975 | 1 | Bracket–Cable |
| 12 | 94–1194 | 3 | Clamp–Cable |
| 13 | 94–6961 | 5 | Screw |
| 14 | 93–3345 | 1 | Clamp–Switch |
| 15 | 93–3970 | 1 | Switch–Toggle |
| 16 | 93–3999 | 1 | Spring–Switch |
| 17 | 93–3346 | 1 | Cover–Lever |
| 18 | 93–3956 | 1 | Mulch Plug–Inside |
| 19 | 94–3865 | 1 | Spring–Torsion |
| 20 | 93–3990 | 1 | Pin–Hinge |
| 21 | 93–3957 | 1 | Mulch Plug–Outside |
| 22 | 93–3986 | 4 | Screw–PPH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



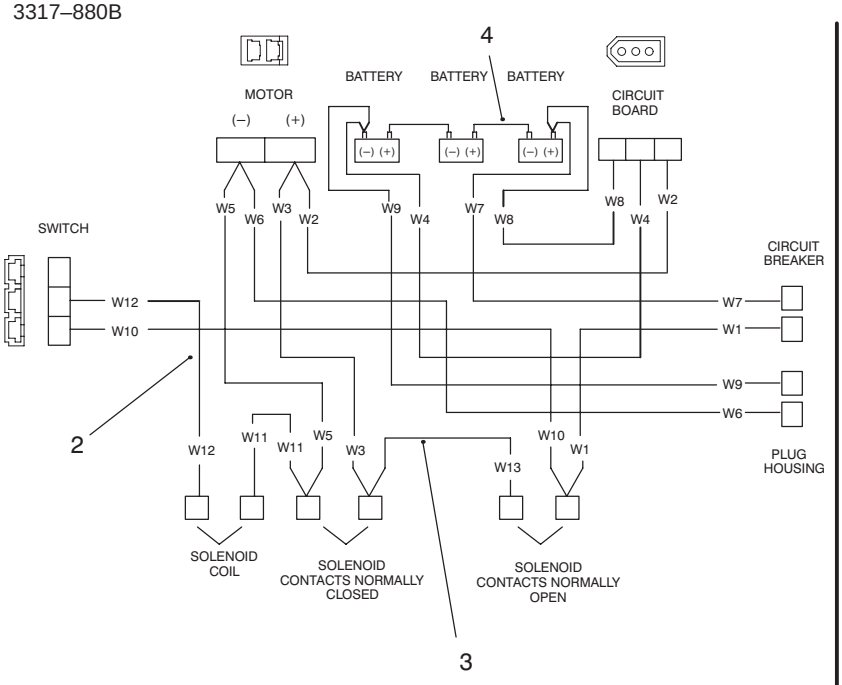

Sheet No.: 5

# Handle and Controls Assembly

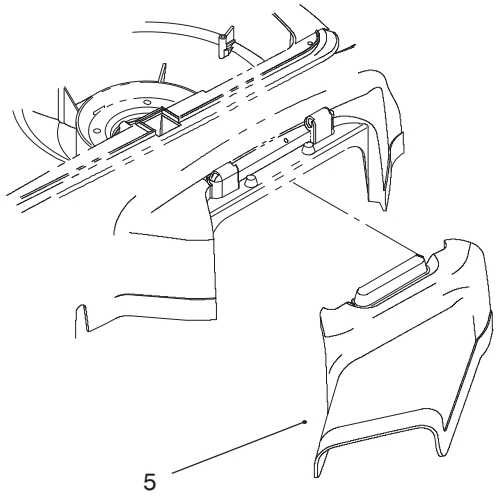
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 93–3986 | 2 | Screw–PPH |
| 2 | 92–2260 | 2 | Screw–Handle |
| 3 | 93–3971 | 1 | Handle–Upper |
| 4 | 93–3978 | 1 | Cable–Control |
| 5 | 3296–8 | 1 | Nut–Lock |
| 6 | 93–3972 | 1 | Handle–Lower |
| 7 | 19–4050 | 2 | Knob |
| 8 | 92–2269 | 1 | Screw–Handle |
| 9 | 93–3965 | 1 | Cover–Bail |
| 10 | 93–3977 | 1 | Bail |
| 11 | 93–3969 | 1 | Housing–Bail |
| 12 | 94–3851 | 1 | Spring–Slide |
| 13 | 94–1154 | 1 | Spring–Bail |
| 14 | 93–3967 | 1 | Cam |
| 15 | 94–1191 | 1 | Nut–Push |
| 16 | 93–3968 | 1 | Slide |
| 17 | 94–3868 | 1 | Washer–Flat |
| 18 | 94–4496 | 1 | Screw |
| 19 | 94–7407 | 1 | Support–Cable |
| 20 | 3256–2 | 1 | Washer–Flat |
| 21 | 94–7409 | 1 | Clip–Cable |
| * | 17–3249 | 1 | Loose Part Kit |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not illustrated




| DESIGNATOR | COLOR |
|---|---|
| W1 | RED |
| W2 | BLUE |
| W3 | RED |
| W4 | BLACK |
| W5 | BLACK |
| W6 | BLACK |
| W7 | RED |
| W8 | RED |
| W9 | BLACK |
| W10 | RED |
| W11 | BLACK |
| W12 | RED |
| W13 | RED |




Sheet No.: 6

# Electrical Wiring Diagram and Side Discharge Chute

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 2 | 95–3253 | 1 | Harness–Wire |
| 3 | 95–3254 | 1 | Harness–Wire |
| 4 | 93–3958 | 2 | ASM–Battery, Wire |
| 5 | 93–3963 | 1 | Chute–Side Discharge |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

# Toro Part Number Index

| Part No. | Page No. | Ref. No. | Qty. | Description |
|---|---|---|---|---|
| 610358 | 1 | 4 | 4 | Nut–Lock |
| 17–3249 | 4 | | 1 | Loose Part Kit |
| 19–4050 | 4 | 7 | 2 | Knob |
| 40–1940 | 1 | 6 | 4 | Washer |
| 92–1008 | 1 | 2 | 2 | Knob–Height Adjust |
| 92–1057 | 1 | 15 | 4 | Bolt–Shoulder |
| 92–2260 | 4 | 2 | 2 | Screw–Handle |
| 92–2269 | 4 | 8 | 1 | Screw–Handle |
| 92–2289 | 3 | 10 | 1 | Plate–Logo |
| 92–9586 | 1 | 7 | 2 | ASM–Wheel |
| 93–0344 | 1 | 14 | 2 | ASM–Wheel |
| 93–3333 | 1 | 10 | 1 | Transformer 36 Volt |
| 93–3340 | 2 | 3 | 1 | Fan |
| 93–3341 | 2 | 4 | 1 | Bushing |
| 93–3342 | 2 | 2 | 1 | Washer |
| 93–3343 | 1 | 11 | 2 | Housing–Transformer |
| 93–3344 | 3 | 4 | 1 | Housing–Plug |
| 93–3345 | 3 | 14 | 1 | Clamp–Switch |
| 93–3346 | 3 | 17 | 1 | Cover–Lever |
| 93–3950 | 3 | 1 | 1 | Key |
| 93–3952 | 1 | 5 | 2 | Axle |
| 93–3953 | 2 | 5 | 1 | Blade |
| 93–3955 | 1 | 12 | 1 | Plate–HOC |
| 93–3956 | 3 | 18 | 1 | Mulch Plug–Inside |
| 93–3957 | 3 | 21 | 1 | Mulch Plug–Outside |
| 93–3958 | 5 | 4 | 2 | ASM–Battery Wire |
| 93–3963 | 5 | 5 | 1 | Chute–Side Discharge |
| 93–3965 | 4 | 9 | 1 | Cover–Bail |
| 93–3967 | 4 | 14 | 1 | Cam |
| 93–3968 | 4 | 16 | 1 | Slide |
| 93–3969 | 4 | 11 | 1 | Housing–Bail |
| 93–3970 | 3 | 15 | 1 | Switch–Toggle |
| 93–3971 | 4 | 3 | 1 | Handle–Upper |
| 93–3972 | 4 | 6 | 1 | Handle–Lower |
| 93–3975 | 3 | 11 | 1 | Bracket–Cable |
| 93–3977 | 4 | 10 | 1 | Bail |
| 93–3978 | 4 | 4 | 1 | Cable–Control |
| 93–3981 | 3 | 3 | 1 | ASM–Plug |
| 93–3982 | 3 | 5 | 1 | Circuit Breaker |
| 93–3985 | 1 | 9 | 11 | Screw–PPH |
| 93–3986 | 2 | 13 | 1 | Screw–PPH |
| 93–3986 | 3 | 22 | 4 | Screw–PPH |
| 93–3986 | 4 | 1 | 2 | Screw–PPH |
| 93–3987 | 2 | 10 | 1 | Bolt–Blade |
| 93–3990 | 3 | 20 | 1 | Pin–Hinge |
| 93–3999 | 3 | 16 | 1 | Spring–Switch |
| 94–1154 | 4 | 13 | 1 | Spring–Bail |
| 94–1181 | 2 | 6 | 1 | ASM–Battery Strap |
| 94–1191 | 4 | 15 | 1 | Nut–Push |
| 94–1194 | 3 | 12 | 3 | Clamp–Cable |
| 94–1197 | 2 | 12 | 2 | Tape–Foam |
| 94–3851 | 4 | 12 | 1 | Spring–Slide |
| 94–3859 | 3 | 9 | 1 | Decal–Cover |
| 94–3865 | 3 | 19 | 1 | Spring–Torsion |
| 94–3868 | 4 | 17 | 1 | Washer–Flat |
| 94–3870 | 1 | 3 | 1 | ASM–Front HOC Lever |
| 94–3871 | 1 | 13 | 1 | ASM–Rear HOC Lever |
| 94–3877 | 3 | 8 | 1 | ASM–Cover |
| 94–3881 | 3 | 2 | 1 | ASM–Panel |
| 94–3888 | 2 | 11 | 1 | ASM–Battery (Incl. Ref 12) |
| 94–3895 | 1 | 1 | 1 | ASM–Deck |

*Not Illustrated

# Toro Part Number Index (cont.)

| Part No. | Page No. | Ref. No. | Qty. | Description |
|---|---|---|---|---|
| 94–3897 | 1 | 8 | 1 | Liner ASM |
| 94–4496 | 2 | 15 | 2 | Screw |
| 94–4496 | 3 | 6 | 12 | Screw |
| 94–4496 | 4 | 18 | 1 | Screw |
| 94–6914 | 3 | 8 | 1 | ASM–Cover |
| 94–6919 | 2 | 1 | 1 | ASM–Motor 36 Volt |
| 94–6921 | 3 | 7 | 1 | Circuit Board ASM–36v |
| 94–6961 | 3 | 13 | 5 | Screw |
| 94–7341 | 2 | 14 | 1 | Strap–Battery |
| 94–7407 | 4 | 19 | 1 | Support–Cable |
| 94–7409 | 4 | 21 | 1 | Clip–Cable |
| 94–7417 | 1 | 16 | 1 | Trailing Shield |
| 95–3027 | 2 | 19 | 1 | Bracket–Solenoid |
| 95–3253 | 5 | 2 | 1 | Harness–Wire |
| 95–3254 | 5 | 3 | 1 | Harness–WireT |
| 95–3256 | 2 | 23 | 1 | Solenoid–36 Volt |
| 95–3288 | 2 | 20 | 2 | Support–Battery |
| 3234–26 | 2 | 22 | 2 | Screw–HHF |
| 3256–2 | 4 | 20 | 1 | Washer–Flat |
| 3256–49 | 2 | 16 | 2 | Washer–Flat |
| 3290–340 | 2 | 9 | 1 | Washer–Spring |
| 3296–8 | 4 | 5 | 1 | Nut–Lock |
| 3296–56 | 2 | 18 | 4 | Nut–Hex Lock |
| 32144–8 | 2 | 7 | 1 | Screw–PPH |
| 32144–44 | 2 | 8 | 2 | Screw–HWHTF |
| 32144–110 | 2 | 17 | 2 | Screw–HWHTF |

*Not Illustrated

## PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

## COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

# MAINTENANCE RECORD

| Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

# MAINTENANCE RECORD

| Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |