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General Information

This manual covers BigDog® Stout™ models 937649EX, 937656EX, & 937664EX.

Service Literature

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<tr>
<td>121581</td>
<td>WARRANTY STATEMENT</td>
</tr>
<tr>
<td>121365</td>
<td>GENERAL SERVICE MANUAL</td>
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Options Available From Your Dealer

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<td>122760</td>
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<tr>
<td>122166</td>
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Note: When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and service representative.

Note: Items sold in bulk such as seals and hoses are sold by the foot.

Using This Manual

This manual is part of a service package for the BigDog® mowers. Use of this manual in conjunction with other BigDog® mower and component manuals will provide the information necessary to service and maintain BigDog® mowers.

This Parts Manual provides a complete parts listing for the unit. Use this manual when ordering parts. Illustrations used were current at the time of printing, but subsequent production changes may cause your machine to vary slightly in detail. Excel Industries, Inc. reserves the right to redesign and change the machine as deemed necessary, without notification. If a change has been made to your machine which is not reflected in this parts manual, see your authorized dealer for current information and parts.

The Service Manual is a service guide for use by Service Technicians. It provides the necessary information needed to perform normal maintenance requirements on these units.

The Operator’s Manual provides fundamental operational information and operational safety that is needed when operating the mower.

The component manuals are furnished by the various manufacturers to be used for the troubleshooting and servicing of their products.
Hardware Description Codes & Abbreviations

The following codes are used throughout this parts manual. Refer to this list when ordering parts.

<table>
<thead>
<tr>
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<th>ABBREVIATION</th>
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<tbody>
<tr>
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<td>CARRIAGE BOLT</td>
<td>MB</td>
<td>MACHINE BUSHING</td>
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<td>CLEVIS PIN</td>
<td>MS</td>
<td>MACHINE SCREW</td>
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<td>CN</td>
<td>CLIP NUT</td>
<td>NT</td>
<td>NUT</td>
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<td>CP</td>
<td>COTTER PIN</td>
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<td>SOCKET HEAD</td>
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<td>CUP WASHER</td>
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<td>FENDER WASHER</td>
<td>SS</td>
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<td>OD</td>
<td>OUTSIDE DIAMETER</td>
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<td>HEX HEAD</td>
<td>ID</td>
<td>INSIDE DIAMETER</td>
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<td>LW</td>
<td>LOCK WASHER</td>
<td>WN</td>
<td>WELD NUT</td>
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Standard Torques

The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener.

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Frame
## Frame

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<td>808493</td>
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<td>3/8-16 THREAD RIVET NUT</td>
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### NOTES:

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<td><strong>B</strong></td>
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1. Serial number decal. In the event the serial number decal becomes damaged or illegible, please contact your dealer to order a replacement.
Headlights
# Headlights

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<td>WIRE TIE</td>
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**NOTES:**

1. Part of the Seat Assembly.
## Engine Guard & Hitch

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<th>PART NO.</th>
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**NOTES:**
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Hydraulic Transmission
## Hydraulic Transmission

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### NOTES:

1. Torque to 17 ft-lbs.
2. Torque to 100 ft-lbs.
3. Torque to 30 ft-lbs.
## Transmission Service Parts

**LEFT SIDE TRANSMISSION SHOWN**
**RIGHT SIDE TRANSMISSION SIMILAR**

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**NOTES:**
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Steering

Front of the mower

Right side shown
Left side similar

Viewed from above

Right side shown
Left side similar

Bottom of the mower
## Steering

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### NOTES:
Steering

FRONT OF THE MOWER

RIGHT SIDE SHOWN
LEFT SIDE SIMILAR

FRONT OF THE MOWER

RIGHT SIDE SHOWN
LEFT SIDE SIMILAR
# Steering

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**NOTES:**

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Steering Cover Assembly

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LEFT SIDE SIMILAR
# Steering Cover Assembly

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## NOTES:

### WEATHERSTRIP LENGTHS

| A | 3" |

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124981EX_0618 3-11
# Steering Box Assembly

![Diagram of Steering Box Assembly](image)

**INDEX NO. PART NO. QTY. DESCRIPTION**

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**NOTES:**
Section 4

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Wheel & Tire—13 X 5 Front Tire
## Wheel & Tire—13 X 5 Front Tire

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**NOTES:**

1. Torque to 65–75 ft-lbs.
Wheel & Tire—13 X 6.5 Front Tire
# Wheel & Tire—13 X 6.5 Front Tire

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**NOTES:**

1. Torque to 65–75 ft-lbs.
Front Tire Breakdown—13 X 5

RIGHT SIDE SHOWN
LEFT SIDE SIMILAR
## Front Tire Breakdown—13 X 5

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### NOTES:
Front Tire Breakdown—13 X 6.5

RIGHT SIDE SHOWN
LEFT SIDE SIMILAR
### Front Tire Breakdown—13 X 6.5

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**NOTES:**
Drive Wheel Breakdown

605486 TIRE & WHEEL ASSEMBLY (48” MOWERS)

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605739 TIRE & WHEEL ASSEMBLY (54” & 60” MOWERS)

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Section 5

Engine ................................................................. 5-2
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### NOTES:

1. Supplied with the engine.
2. Torque to 45–48 ft-lbs.
3. Torque to 30–35 ft-lbs.
4. Torque to 17 ft-lbs.
Engine

LS FRAME PANEL

MOWER FRAME

TO BATTERY POSITIVE

25A FUSE

1 5 BLK

7

5 BLK

17

18

19

20

22

23

24

25

26

27

21
### Engine

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### NOTES:

5. Part of the wire harness.
## Engine Service Parts

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**NOTES:**
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# Fuel System

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**NOTES:**

**FUEL & VAPOR LINE LENGTHS**

| A | FRONT RIGHT SIDE PORT TO TEE (VAPOR) |
| B | ENGINE TO CROSS (VAPOR) |
| C | TEE TO CROSS (VAPOR) |
| D | LEFT BACK PORT TO TEE (VAPOR) |
| E | FILLER NECK PORT TO TEE (VAPOR) |
| F | RIGHT BACK PORT TO TEE (VAPOR) |
| G | 12" CROSS TO FILTER (VAPOR) |
| H | 2" VALVE TO ENGINE (FUEL) |
| J | 22" TANK TO VALVE (FUEL) |
# Fuel System

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**NOTES:**
Section 6

Battery & Fenders .................................................... 6-2
Instrument Panel .................................................... 6-4
## Battery & Fenders

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### NOTES:

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1. Part of the instrument panel assembly.
2. When performing service on the mower, disconnect the negative battery cable (black) and do not reconnect it to the battery until ready to start the engine.
## Instrument Panel

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### Notes:

1. Part of the wire harness.
Section 7

48" Service Deck ......................................................... 7-2
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48" Deck ................................................................. 7-6
54" Service Deck ........................................................... 7-8
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54" Deck ................................................................. 7-12
60" Service Deck ........................................................... 7-14
60" Deck Pulleys & Spindles ........................................... 7-16
60" Deck ................................................................. 7-18
Deck Lift. ................................................................. 7-20
Spindle Assembly ......................................................... 7-23
## 48" Service Deck

### Diagram

![Diagram of a 48" Service Deck](image)

### Description Table

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### NOTES:
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48" Deck Pulleys & Spindles
## 48" Deck Pulleys & Spindles

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### NOTES:

1. Torque to 73 ft-lbs.
2. Torque to 30 ft-lbs.
3. Torque to 3–6 ft-lbs.
48" Deck
## 48" Deck

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### NOTES:

1. Torque to 118 ft-lbs.
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# 54" Service Deck

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**NOTES:**
54" Deck Pulleys & Spindles
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**NOTES:**

1. Torque to 73 ft-lbs.
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### 54" Deck

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4  | 604221  | 1  | DANGER/CHUTE DECAL                   
5  | 786277  | 1  | 60" SD DECK ID DECAL                 
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### NOTES:

1. Torque to 118 ft-lbs.
2. Do not torque; the discharge chute must pivot freely.
3. Torque to 3–6 ft-lbs.
4. Torque these knobs to 15 in-lbs.
Deck Lift

RIGHT SIDE
# Deck Lift

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## NOTES:
# Spindle Assembly

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## NOTES:
Section 8

Seat ............................................................................................................. 8-2
Seat Service Parts ..................................................................................... 8-4
ROPS ......................................................................................................... 8-6
### Seat

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1. Torque to 17 ft-lbs.
2. Do not torque; the seat pan and seat stop must pivot freely.
# Seat Service Parts

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**NOTES:**
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## ROPS

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### NOTES:

1. Torque to 73 ft-lbs.