

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

<b>843-16</b>
Revision Number
<b>1 August 1997</b>
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

<b>PARTS MANAGER</b>	<input type="checkbox"/>
<b>SERVICE MANAGER</b>	<input checked="" type="checkbox"/>
<b>SALES MANAGER</b>	<input type="checkbox"/>

**Insert This Sheet With The Appropriate Manual For Future Reference.**

The following pages are a revision to the 843 Service Manual P/N 6566091 (12-85).

Take out the pages shown and put in the revised and added pages as follows:

**TAKE OUT**

Maintenance Safety Page  
CONTENTS, FOREWORD & i, ii

**PUT IN**

Maintenance Safety Page dated 8-96  
CONTENTS, FOREWORD & i, ii (Revised Aug. 97)  
iii thru viii (Added Aug. 97)

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

<b>843-15</b>
Revision Number
<b>17 June 1996</b>
Date

**AFFECTING:**

Product **BOBCAT LOADER**

Model **843**

Manual No. **6566091 (12-85)**

<b>PARTS MANAGER</b>	<input type="checkbox"/>
<b>SERVICE MANAGER</b>	<input checked="" type="checkbox"/>
<b>SALES MANAGER</b>	<input type="checkbox"/>

**Insert This Sheet With The Appropriate Manual For Future Reference.**

The following pages are a revision to the 843 Service Manual P/N 6566091 (12-85).

Take out the pages shown and put in the revised and added pages as follows:

**TAKE OUT**

4-7, 4-8 (Revised Aug. 91)

**PUT IN**

4-7, 4-8 (Revised June 96)

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

<b>843-14</b>
Revision Number
<b>30 April 1996</b>
Date

<b>ROUTE TO ATTENTION</b>	
<b>PARTS MANAGER</b>	<input type="checkbox"/>
<b>SERVICE MANAGER</b>	<input checked="" type="checkbox"/>
<b>SALES MANAGER</b>	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

## NOTICE

Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 843 Service Manual P/N 6566091 (12-85).

Take out the pages shown and put in the revised pages as follows:

### TAKE OUT

3-29, 3-30  
3-31, 3-32  
3-33, 3-34  
3-35, 3-36

4-9, 4-10

6-1, 6-2

7C-37, 7C-38

### PUT IN

3-29, 3-30 (Revised April 96)  
3-31 (Revised April 96), 3-32 (Revised April 96)  
3-33 (Revised April 96), 3-34 (Revised April 96)  
3-35 (Revised April 96), 3-36

4-9, 4-10 (Revised April 96)

6-1 (Revised April 96), 6-2

7C-37 (Revised April 86), 7C-38



<b>843-13</b>
Revision Number
<b>22 February 1994</b>
Date

# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

<b>NOTICE</b>	<b>Insert This Sheet With The Appropriate Manual For Future Reference.</b>
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The following pages are a revision to the 843 Service Manual P/N 6566091 (12-85).  
Take out the pages shown and put in the revised pages as follows:

TAKE OUT	PUT IN
3-43 (Added Sept. 90), 3-44 (Added Sept. 90) 3-51 (Added Sept. 90), 3-52 (Added Sept. 90)	3-43 (Revised Feb. 94), 3-44 (Revised Feb. 94) 3-51 (Added Sept. 90), 3-52 (Revised Feb. 94)
4-11, 4-12	4-11 (Revised Feb. 94), 4-12
7A-15, 7A-16	7A-15 (Revised Feb. 94), 7A-16 (Revised Feb. 94)
7B-15, 7B-16 7B-29, 7B-30 7B-31, 7B-32 7B-33, 7B-34 7B-35, 7B-36	7B-15, 7B-16 (Revised Feb. 94) 7B-29 (Revised Feb. 94), 7B-30 7B-31 (Revised Feb. 94), 7B-32 7B-33 (Revised Feb. 94), 7B-34 7B-35, 7B-36 (Revised Feb. 94)
7C-3, 7C-4 7C-5 (Revised June 87), 7C-6 (Revised June 87) 7C-41, 7C-42	7C-3 (Revised Feb. 94), 7C-4 (Revised Feb. 94) 7C-5 (Revised Feb. 94), 7C-6 (Revised Feb. 94) 7C-41 (Revised Feb. 94), 7C-42
8A-1, 8A-2	8A-1 (Revised Feb. 94), 8A-2
8B-1, 8B-2	8A-1 (Revised Feb. 94), 8B-2
8C-1, 8C-2 8C-5 (Revised July 88), 8C-6 (Revised July 88)	8C-1 (Revised Feb. 94), 8C-2 8C-5 (Revised Feb. 94), (8C-6 (Revised Feb. 94)



<b>843-12</b> Revision Number <b>24 September 1992</b> Date
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# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER  
 Model 843  
 Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove and replace pages as follows to update your 843 Service Manual.

**TAKE OUT**

FOREWORD (Revised July 88)

HYDRAULIC/HYDROSTATIC FLOW CHART  
 For Model 843B  
 Chart #6720555 (Printed September 1990)

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
 Chart #6720555 (Printed September 1990)

SECTION 6

**PUT IN**

FOREWORD (Revised Sept. 92)

HYDRAULIC/HYDROSTATIC FLOW CHART  
 For Model 843B  
 Chart #6720555 (Printed September 1992)

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
 Chart #6720555 (Printed September 1992)

HYDRAULIC/HYDROSTATIC FLOW CHART  
 AND WIRING DIAGRAM  
 For Model 843H (With Pilot Operated Main Relief)  
 Chart #6722305 (Printed September 1992)

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
 Chart #6722305 (Printed September 1992)

WIRING DIAGRAM (P/N 6722195)  
 BUCKET POSITION VALVE LOCKOUT (OPTIONAL)  
 Model 753, 7753, 843, 843B & 853  
 (Printed April 1992)



# SERVICE MANUAL REVISION

843-11
Revision Number
17 September 1991
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove and replace pages as follows to update your 843 Service Manual.

**TAKE OUT**

3-51 (Added Sept. 90), 3-52 (Added Sept. 90)  
3-53 (Revised Sept. 90)

4-7, 4-8

**PUT IN**

HYDRAULIC/HYDROSTATIC FLOW CHART  
and WIRING DIAGRAM

For Model  
843H (S/N 50450 & Above)  
Chart #6720945 (Printed September 1991)

3-51 (Added Sept. 90), 3-52 (Revised Sept. 91)  
3-53 (Revised Sept. 91)

4-7, 4-8 (Revised Sept. 91)



<b>843-10</b> Revision Number
<b>18 September 1990</b> Date

# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>
_____	<input type="checkbox"/>

Remove and put in the following pages, Wiring Diagram Chart and Hydraulic/Hydrostatic Flow Chart as follows:

**TAKE OUT**

**COVER**

i, ii

Sheet 2 of 2 843 High Horsepower Hydraulic  
(Chart #6570916) Printed May 89

2-31, 2-32  
 2-33, 2-34  
 2-35, 2-36  
 2-37, 2-38  
 2-39, 2-40  
 2-43, 2-44

HYDROSTATIC SYSTEM TAB PAGE (Revised May 89)

3-1 Thru 3-34

WIRING DIAGRAM (P/N 6570915)  
 843 (S/N 28135 & Above)  
 (Printed May 1989)

**PUT IN**

**NEW COVER**

i (Revised Sept. 90), ii

Sheet 2 of 2 843 High Horsepower Hydraulic  
(Chart #6570916) Printed Sept. 90  
 Hydraulic/Hydrostatic Flow Chart 843B Chart #6720555  
(Printed September 90)

2-31 (Revised Sept. 90), 2-32  
 2-33 (Revised Sept. 90), 2-34  
 2-35 (Revised Sept. 90), 2-36 (Revised Sept. 90)  
 2-37 (Revised Sept. 90), 2-38 (Revised Sept. 90)  
 2-39 (Revised Sept. 90), 2-40  
 2-43 (Revised Sept. 90), 2-44

HYDROSTATIC SYSTEM TAB PAGE (Revised Sept. 90)

3-1 Thru 3-53

WIRING DIAGRAM (P/N 6570915)  
 843B (S/N 28135 & Above)  
 & 843B (Printed September 1990)



# SERVICE MANUAL REVISION

<b>843-9</b> Revision Number
<b>8 May 1989</b> Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following pages, Hydraulic/Hydrostatic Flow Charts and Wiring Diagram from the 843 Service Manual (P/N 6566091) and put in the revised or added pages, Hydraulic/Hydrostatic Flow Charts and Wiring Diagram.

**TAKE OUT**

Hydraulic/Hydrostatic Flow Chart and Wiring Diagram  
843 High Horse Power Hydraulics (Optional)  
Chart #6570916 (Printed July 1988)

Hydraulic/Hydrostatic Flow Chart  
843 (S/N 26000 & Above)  
Chart #6570552 (Printed July 1988)

Hydrostatic System - Tab Page (Revised July 88)

3-16a thru 3-16j (Added June 87)

Wiring Diagram (P/N 6570915)  
843 (S/N 28135 & Above) (Printed July 1988)

**PUT IN**

Hydraulic/Hydrostatic Flow Chart and Wiring Diagram  
843 High Horse Power Hydraulics (Optional)  
Chart #6570916 (Printed May 1989)

Hydraulic/Hydrostatic Flow Chart  
843 (S/N 26000 Thru 19925)  
Chart #6570552 (Printed May 1989)

Hydraulic/Hydrostatic Flow Chart  
843 (Starting With S/N 29926)  
Chart #6720178 (Printed May 1989)

Hydrostatic System - Tab Page (Revised May 1989)

3-16a thru 3-16j (Revised May 1989)  
3-16k thru 3-16m (Added May 1989)

Wiring Diagram (6570915)  
843 (S/N 28135 & Above) (Printed May 1989)





<b>843-8</b> Revision Number
<b>22 November 1988</b> Date

# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following pages from the 843 Service Manual (P/N 6566091) and put in the revised or added pages.

**TAKE OUT**

HYDRAULIC FLOW CHART #6566716 (Printed July 1983)  
 HYDROSTATIC FLOW CHART #6566717 (Printed July 1983)

HYDRAULIC FLOW CHART #6566747 (Printed July 1983)  
 HYDROSTATIC FLOW CHART #6566748 (Printed July 1983)

**PUT IN**

HYDRAULIC/HYDROSTATIC FLOW CHART #6566716  
 (Printed November 1988)

HYDRAULIC/HYDROSTATIC FLOW CHART #6566748  
 (Printed November 1988)



# SERVICE MANUAL REVISION

843-7
Revision Number
21 July 1988
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following pages from the 843 Service Manual (P/N 6566091) and put in the revised or added pages.

**TAKE OUT**

**PUT IN**

FOREWORD & CONTENTS PAGE

i, ii  
iii, iv

SECTION ONE

1-7, 1-8  
1-9

SECTION TWO

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
Chart #6570552 (Printed June 87)

SECTION THREE

HYDROSTATIC SYSTEM TAB PAGE (Revised June 87)

SECTION FOUR

4-1, 4-2  
4-3, 4-4 (Revised Apr. 86)

SECTION SIX

WIRING DIAGRAM (P/N 6570240)  
843 (S/N 20001 & Above) (Printed Dec. 85)

6-9, 6-10

New MAINTENANCE SAFETY PAGE  
New FOREWORD PAGE (Revised July 88),  
New CONTENTS PAGE (Revised July 88)

i (Revised July 88), ii (Revised July 88)

1-7, 1-8 (Revised June 88)  
1-9 (Revised July 88)

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
Chart #6570552 (Printed July 88)  
HYDRAULIC/HYDROSTATIC HIGH HORSE POWER  
FLOW CHART & ELECTRICAL DIAGRAM  
Chart #6570916 (Printed July 88)

HYDROSTATIC SYSTEM TAB PAGE (Revised July 88)  
3-16c thru 3-16j (Added July 88)

4-1 (Revised July 88), 4-2  
4-3, 4-4 (Revised July 88)

WIRING DIAGRAM (P/N 6570240)  
843 (S/N 20001 thru 23999) (Printed July 88)  
WIRING DIAGRAM (P/N 6570913)  
843 (S/N 24000 thru 25999) (Printed July 88)  
WIRING DIAGRAM (P/N 6570914)  
843 (S/N 26000 thru 28134) (Printed July 88)  
WIRING DIAGRAM (P/N 6570915)  
843 (S/N 28135 & Above) (Printed July 88)  
6-9 (Revised July 88), 6-10 (Revised July 88)



# SERVICE MANUAL REVISION

<b>843-6</b>
Revision Number
<b>9 December 1987</b>
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>
_____	<input type="checkbox"/>

Remove and replace pages as follows to update your 843 Service Manual.

**TAKE OUT**

7C-29, 7C-30  
7C-59, 7C-60

**PUT IN**

7C-29 (Revised Dec. 87), 7C-30  
7C-59 (Revised Dec. 87), 7C-60



# SERVICE MANUAL REVISION

843-5 Revision Number
12 June 1987 Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following pages from the 843 Service Manual (P/N 6566091) and put in the revised or added pages.

**TAKE OUT**

2-35, 2-36

HYDROSTATIC SYSTEM, Tab Page

ENGINE SERVICE (7A), Tab Page

ENGINE SERVICE (7C), Tab Page  
7C-5, 7C-6  
7C-9, 7C-10

TECHNICAL DATA (8A), Tab Page

TECHNICAL DATA (8B), Tab Page (Revised Feb. 87)

TECHNICAL DATA (8C), Tab Page

GENERAL SPECIFICATIONS, Tab Page

8-5, 8-6  
8-7, 8-8  
8-9, 8-10

**PUT IN**

2-35 (Revised June 87), 2-36

HYDROSTATIC SYSTEM, Tab Page (Revised June 87)  
HYDRAULIC/HYDROSTATIC FLOW CHART  
(S/N 26000 & Above)

3-16a (Added June 87), 3-16b (Added June 87)

AT THE BEGINNING OF THE ENGINE SERVICE SECTION,  
Tab Page (Added June 87)

ENGINE SERVICE (7A), Tab Page (Revised June 87)

ENGINE SERVICE (7C), Tab Page (Revised June 87)  
7C-5 (Revised June 87), 7C-6 (Revised June 87)  
7C-9 (Revised June 87), 7C-10 (Revised June 87)

AT THE BEGINNING OF TECHNICAL DATA SECTION,  
Tab Page (Added June 87)

TECHNICAL DATA (8A), Tab Page (Revised June 87)

TECHNICAL DATA (8B), Tab Page (Revised June 87)

TECHNICAL DATA (8C), Tab Page (Revised June 87)

GENERAL SPECIFICATIONS, Tab Page (Revised June 87)

8-5, 8-6 (Revised June 87)  
8-7 (Revised June 87), 8-8 (Revised June 87)  
8-9 (Revised June 87), 8-10 (Revised June 87)  
8-11 (Added June 87), 8-12 (Added June 87)  
8-13 (Added June 87), 8-14 (Added June 87)



<b>843-4</b> Revision Number
<b>20 February 1987</b> Date

# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following pages from the 843 Service Manual (P/N 6566091) and put in the revised pages.

TAKE OUT	PUT IN
1-1, 1-2	1-1, 1-2 (Revised Feb. 87)
1-5, 1-6	1-5, 1-6 (Revised Feb. 87)
2-37, 2-38	2-37 (Revised Feb. 87), 2-38
5-13, 5-14	5-13, 5-14 (Revised Feb. 87)
7C-1, 7C-2	7C-1, 7C-2 (Revised Feb. 87)
TECHNICAL DATA TAB PAGE	TECHNICAL DATA TAB PAGE (Revised Feb. 87)
8C-1, 8C-2	8C-1 (Revised Feb. 87), 8C-2
8C-5, 8C-6	8C-5 (Revised Feb. 87), 8C-6 (Revised Feb. 87)



<b>843-3</b> Revision Number
<b>25 September 1986</b> Date

# SERVICE MANUAL REVISION

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>
_____	

The attached sections 7C and 8C include information dealing with the Isuzu engine. Add the sections to the Service Manual.

The following pages are revision to the 843 Service Manual.

Take out the following pages and put in the revised or added pages:

**TAKE OUT**

8B-3, 8B-4  
Technical Data Sheet

**PUT IN**

8B-3, 8B-4 (Revised Sept. 86)  
Technical Data Sheet (Revised Sept. 86)



# SERVICE MANUAL REVISION

843 - 2 Revision Number
14 April 1986 Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

Remove the following page from the Service Manual (P/N 6566091) and replace it with the revised page.

**TAKE OUT**

4-3, 4-4

Hydraulic/Hydrostatic Chart #6570242  
Dated Jan. 86

**PUT IN**

4-3, 4-4 (Revised April 86)

Hydraulic/Hydrostatic Chart #6570242  
(Revised April 86)

Printed in U.S.A.



# SERVICE MANUAL REVISION

843-1
Revision Number
12 March 1986
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 843

Manual No. 6566091 (12-85)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

The attached sheets are a revision to the 843 Service Manual (P/N 6566091). The revision includes information on checking the Melroe alternator and checking the Delco starter.

Remove the following pages from the Service Manual and replace them with the revised pages as follows.

**TAKE OUT**

6-7, 6-8  
6-13, 6-14, 6-15

**PUT IN**

6-7, 6-8 (Revised Mar. 86)  
6-8.1 (Added Mar. 86), 6-8.2 (Revised Mar. 86)  
6-13, 6-14, 6-15 (Revised Mar. 86)