

463

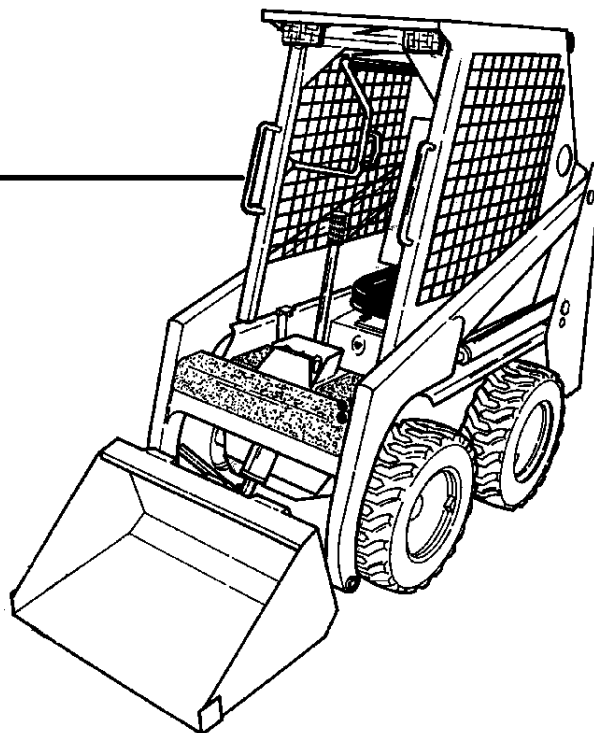


Bobcat®

Parts Manual

S/N 5200 11001 & Above

S/N 5199 11001 & Above



**EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)**

6901164 (7-01) Revised (9-01)



Printed in U.S.A.

© Bobcat Company 2001

463 ALPHABETICAL INDEX

AIR CLEANER	137	LEVER, PINTLE	68
ALTERNATOR	92	LEVER, STEERING	68
ANTI-FREEZE	198	LIFT ARM	20
AXLE	32	LIFT, SINGLE POINT	187
BATTERY	82	MAIN FRAME	12
BELT, ALT	102	MANIFOLD, EXHAUST	127
BELT, DRIVE	98, 100	MANIFOLD, INTAKE	127
BLOCK HEATER	142	MOTOR, HYDRO	78
BLOCK, ENG.	116	MOUNT, ENGINE	102
BLOWER, WHEEL	94	MOUNT, HYD. PUMP	66
BOB-TACH	22	MUFFLER	96
BOOT, RUBBER	28	OIL	198
BRAKE, CALIPER	168	OIL COOLER	58, 62
BRAKE	32, 34	OIL PAN	112
CAB	14	OIL PUMP, ENGINE	116
CAB ENCLOSURE	149, 152	PAINT	198
CABLE, BATTERY	82	PINTLE LEVER	68
CAMSHAFT	120	PISTON, ENG.	118
CAMSHAFT, FUEL	121	PUMP, FUEL	128
CAP, FUEL	24	PUMP, GEAR	75
CAP, HYD. OIL	58, 62	PUMP, HYDROSTATIC	69, 72, 74
CAP, RADIATOR,	94	PUMP, INJECTION	126, 130
CHAIN, DRIVE	29	PUMP, WATER	125
CHAINCASE	12	RADIATOR	94
CONTROLS HAND	68	RENTAL KIT	184
COVER, VALVE	108	RIMS	193
CRANKCASE	116	RING GEAR	98, 100
CRANKSHAFT	118	SEAT	190, 192
CYLINDER, LIFT	45	SEAT BELT	185
CYLINDER, TILT	46	SIDE INSTR PANEL KIT	186
DECAL KIT	160, 162	SOLENOID	82
DIPSTICK, ENG. OIL	112	SOLENOID, SHUTDOWN	124
DOOR, CAB	149, 152	SOUND OPTION	174
DOOR, REAR	27	STARTER	90
ENGINE	106	STROBE LIGHT	188
EXHAUST PIPE	27	SWITCH, ENG. OIL PRESS	82, 116
EXT RMVL R WIN KIT	175	SWITCH, HYDRO. PRESS.	82
FILTER, AIR	137	SWITCH, HYDRO. TEMP	82
FILTER, ENG. OIL	102, 114	TANK, FUEL	24
FILTER, FUEL	24	THERMOSTAT	126
FILTER, HYD. OIL	58, 62	THROTTLE	103
FIRE EXTINGUISHER	176	TIRES	193
FLYWHEEL	98, 100	TOW VALVE KIT	194
FUEL PUMP	24, 128	VALVE COVER	108
FUEL SYSTEM	24	VALVE, ENG	110
GASKET KIT ENGINE	106	VALVE, HYD.	50
GAUGE	24	WATER PUMP	125
GEARCASE	114	WEIGHT	12
GLOW PLUG	131	WINDOW, REAR	152, 158
HARNESS, ENGINE	82	WINDOW, SIDE	158
HARNESS, LIGHTS	179	WINDOW, TOP	152
HEAD, CYLINDER	111		
INJECTION PUMP	128, 130		
INJECTOR NOZZLES	134		

463 CONTENTS

MAIN FRAME	12-31
MAIN FRAME	12-13
OPERATOR CAB	14-15
SEAT & SEAT BAR	16-17
SEAT	18-19
LIFT ARMS & BOB-TACH	20-21
BOB-TACH	22-23
FUEL SYSTEM	24-27
REAR DOOR	28-29
PANELS	30-31
DRIVE TRAIN	32-39
DRIVE TRAIN	32-33
AXLE	34-35
BRAKES	36-39
HYDRAULIC SYSTEM	40-63
HYDRAULIC CIRCUITRY	40-47
AUXILIARY HYDRAULICS	48-49
LIFT CYLINDER	50-51
TILT CYLINDER	52-53
BICS BLOCK	54-55
HYDRAULIC VALVE	56-59
BUCKET POSITIONING VALVE	60-61
CONTROL PEDALS	62-63
HYDROSTATIC SYSTEM	64-85
HYDROSTATIC CIRCUITRY	64-73
HAND CONTROLS	74-75
HYDROSTATIC PUMP	76-81
GEAR PUMP	82-83
HYDROSTATIC MOTOR	84-85
ELECTRICAL SYSTEM	86-99
CAB ELECTRICAL CIRCUITRY	86-89
ENGINE ELECTRICAL CIRCUITRY	90-93
CONTROLS ELECTRICAL	94-95
STARTER	96-97
ALTERNATOR	98-99
ENGINE & ATTACHING PARTS	100-137
ENGINE & ATTACHING PARTS	100-109
THROTTLE	110-111
ENGINE & GASKET KITS	112-113
ROCKER ARM COVER	114-115
ROCKER ARM & VALVES	116-117
CYLINDER HEAD	118-119
OIL PAN	120-121
GEARCASE	122-123
CRANKCASE	124-125
PISTON & CRANKSHAFT	126-127
MAIN BEARING CASE	128-129
CAMSHAFT	130-131
FUEL CAMSHAFT	132-133
GOVERNOR GROUP	134-135
SPEED CONTROL & STOP LEVER	136-137
WATER PUMP	138-139
WATER FLANGE & THERMOSTAT	140-141
MANIFOLDS	142-143
FUEL & INJECTION PUMP	144-145
INJECTION PUMP	146-147
INJECTOR NOZZLES	148-149
NOZZLE HOLDER	150-153
LOWER GASKET KIT	154-155
UPPER GASKET KIT	156-157
AIR CLEANER	158-159

463 CONTENTS (Cont'd)

ACCESSORIES & OPTIONS	163-250
BACK-UP ALARM	163-164
BEACON LIGHT	165-166
BLOCK HEATER	167-168
BUCKET POSITION ON-OFF KIT	169-170
CAB DOOR	171-174
CAB ENCLOSURE	175-184
CAB WINDOWS	185-186
DECALS	187-190
EUROPEAN ACCESSORIES	191-204
*EXPORT ACCESSORIES	205-208
EUROPEAN ACCESSORIES (SOUND OPTION)	209-210
EXTERNAL WINDOW REMOVAL KIT	211-212
FIRE EXTINGUISHER	213-214
HORN KIT	215-216
KEYLESS IGNITION	217-218
LIGHT KIT	219-220
LOCKING CAP & COVER	221-222
MUFFLER/PURIFIER KIT	223-226
RENTAL KIT	227-228
SEAT BELT	229-230
SIDE INSTRUMENT PANEL KIT	231-231
SINGLE POINT LIFT	233-234
SOUND REDUCTION HARDHAT	235-236
STROBE LIGHT	237-238
SUSPENSION SEAT	239-242
TIRES & RIMS	243-244
TOWING KIT	245-246
WATER LEVEL SENSOR KIT	247-248
BULK ITEMS	249-250
NUMERICAL INDEX	251-285
NUMERICAL INDEX	251-285

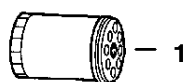
463 CONTENTS

MAIN FRAME	12-31
MAIN FRAME	12-13
OPERATOR CAB	14-15
SEAT & SEAT BAR	16-17
SEAT	18-19
LIFT ARMS & BOB-TACH	20-21
BOB-TACH	22-23
FUEL SYSTEM	24-27
REAR DOOR	28-29
PANELS	30-31
DRIVE TRAIN	32-39
DRIVE TRAIN	32-33
AXLE	34-35
BRAKES	36-39
HYDRAULIC SYSTEM	40-63
HYDRAULIC CIRCUITRY	40-47
AUXILIARY HYDRAULICS	48-49
LIFT CYLINDER	50-51
TILT CYLINDER	52-53
BICS BLOCK	54-55
HYDRAULIC VALVE	56-59
BUCKET POSITIONING VALVE	60-61
CONTROL PEDALS	62-63
HYDROSTATIC SYSTEM	64-85
HYDROSTATIC CIRCUITRY	64-73
HAND CONTROLS	74-75
HYDROSTATIC PUMP	76-81
GEAR PUMP	82-83
HYDROSTATIC MOTOR	84-85
ELECTRICAL SYSTEM	86-99
CAB ELECTRICAL CIRCUITRY	86-89
ENGINE ELECTRICAL CIRCUITRY	90-93
CONTROLS ELECTRICAL	94-95
STARTER	96-97
ALTERNATOR	98-99
ENGINE & ATTACHING PARTS	100-137
ENGINE & ATTACHING PARTS	100-109
THROTTLE	110-111
ENGINE & GASKET KITS	112-113
ROCKER ARM COVER	114-115
ROCKER ARM & VALVES	116-117
CYLINDER HEAD	118-119
OIL PAN	120-121
GEARCASE	122-123
CRANKCASE	124-125
PISTON & CRANKSHAFT	126-127
MAIN BEARING CASE	128-129
CAMSHAFT	130-131
FUEL CAMSHAFT	132-133
GOVERNOR GROUP	134-135
SPEED CONTROL & STOP LEVER	136-137
WATER PUMP	138-139
WATER FLANGE & THERMOSTAT	140-141
MANIFOLDS	142-143
FUEL & INJECTION PUMP	144-145
INJECTION PUMP	146-147
INJECTOR NOZZLES	148-149
NOZZLE HOLDER	150-153
LOWER GASKET KIT	154-155
UPPER GASKET KIT	156-157
AIR CLEANER	158-159

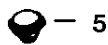
463 CONTENTS (Cont'd)

ACCESSORIES & OPTIONS	163-250
BACK-UP ALARM	163-164
BEACON LIGHT	165-166
BLOCK HEATER	167-168
BUCKET POSITION ON-OFF KIT	169-170
CAB DOOR	171-174
CAB ENCLOSURE	175-184
CAB WINDOWS	185-186
DECALS	187-190
EUROPEAN ACCESSORIES	191-204
*EXPORT ACCESSORIES	205-208
EUROPEAN ACCESSORIES (SOUND OPTION)	209-210
EXTERNAL WINDOW REMOVAL KIT	211-212
FIRE EXTINGUISHER	213-214
HORN KIT	215-216
KEYLESS IGNITION	217-218
LIGHT KIT	219-220
LOCKING CAP & COVER	221-222
MUFFLER/PURIFIER KIT	223-226
RENTAL KIT	227-228
SEAT BELT	229-230
SIDE INSTRUMENT PANEL KIT	231-231
SINGLE POINT LIFT	233-234
SOUND REDUCTION HARDHAT	235-236
STROBE LIGHT	237-238
SUSPENSION SEAT	239-242
TIRES & RIMS	243-244
TOWING KIT	245-246
WATER LEVEL SENSOR KIT	247-248
BULK ITEMS	249-250
NUMERICAL INDEX	251-285
NUMERICAL INDEX	251-285

MAINTENANCE ITEMS **MODEL 463**



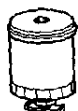
— 1



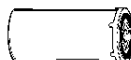
— 5



— 8



— 2



— 6



— 3



— 9



— 4



— 7

Ref.	Part Number	Description	Remarks	Page
1	6671057	FILTER, ENGINE OIL		122
2	6667352	FUEL FILTER		25
3	6673753	AIR CLEANER (INNER)		159
4	6673752	AIR CLEANER (OUTER)		159
5	6646678	RADIATOR CAP ..		100
6	6677652	HYDROSTATIC FILTER, # 10 MICRON		64
7	6674687	BATTERY		90
(Hydraulic Reservoir)				5.3 Qts. (5 L.)
(Hydraulic/Hydrostatic System)				4.0 Gals. (15 L.)
8	6563328	FLUID, Hyd./Hydro. Fluid - (2) 2.5 Gal. - (5 Gal)		249
	6722344	FLUID, Hyd./Hydro. - (5 Gal.)		249
	6563330	FLUID, 55 Gallon Drum		249
(Engine Oil W/Filter)				4.0 QTS. (3,8 L.)
9	6657301	MOTOR OIL	10W30 CE/SG - 1 Qt.	249
	6724557	MOTOR OIL	10W30 CE/SG - 1 Gal.	249
	6674205	MOTOR OIL	10W30 CE/SG - 2.5 Gal.	249
	6657299	MOTOR OIL	15W40 CE/SG - 1 Qt.	249
	6724558	MOTOR OIL	15W40 CE/SG - 1 Gal.	249
	6674204	MOTOR OIL	15W40 CE/SG - 2.5 Gal.	249
	6657303	MOTOR OIL	30 CE/SG - 1 Qt.	249
	6724559	MOTOR OIL	30 CE/SG - 1 Gal.	249
	6674206	MOTOR OIL	30 CE/SG -2.5 Gal.	249

GENERAL INFORMATION

When using the machine serial number, use the complete number. When Serial Numbers do not appear below the page heading, parts information applies to all loaders.

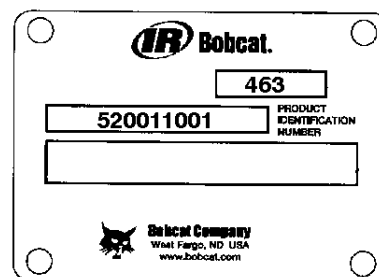
Some Serial Number breaks are not available at time of printing. These are listed as & Below or & Above.

The number shown in the quantity column in this manual is the number of parts needed for the illustration on the page. For some parts an "x" will be shown in the quantity column. This "x" indicates that the quantity to be used is "As Needed".

When references L.H. and R.H. are used in this manual, it is done from the operator's seat in the forward operating position.

To find the size and kind of bolt use the Bobcat Standard Microfiche (P/N 6566077).

Some of the illustrations and information found in this parts manual were supplied to Bobcat Company by machine component companies.



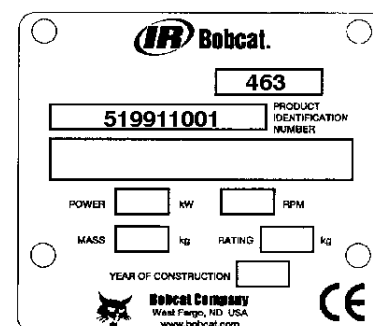
IR Bobcat.

463

520011001 PRODUCT IDENTIFICATION NUMBER

Bobcat Company
West Fargo, ND USA
www.bobcat.com

DOMESTIC



IR Bobcat.

463

519911001 PRODUCT IDENTIFICATION NUMBER

POWER kW RPM

MASS kg RATING kg

YEAR OF CONSTRUCTION

Bobcat Company
West Fargo, ND USA
www.bobcat.com

CE

EXPORT

ABBREVIATIONS & SYMBOLS

SALES = Order from Gwinner Sales Department

NSS = Not Serviced Separately

NAP = Not Available as Parts

* = Changed or Added Sections, Pages or Part Number

Disposition Code Definition (Found in the Remarks Column)

[A] = Use Up

[B] = Use Up on Other Application (See PNI)

[C] = File PDR Report With Bobcat Parts Sales

[D] = Part Number Error

Explications en francais	Grid Nb	3
Erklärungen auf deutsch	Grid Nb	4
Spiegazioni in italiano	Grid Nb	5
Explicaciones en espanol	Grid Nb	6
Verklaring in het Nederlands	Grid Nb	7

NOTE D'INFORMATION

Pour toute référence au numéro de série de l'engin, toujours donner le numéro complet.

Le chiffré apparaissant dans la colonne des quantités de ce manuel représentent le nombre de pièces nécessaires pour l'illustration reprise sur la page. Dans certains cas, on lira un "x" dans la colonne des quantités. Cet "x" indique que la quantité nécessaire est "selon besoin".

Pour toute référence vers la GAUCHE ou la DROITE dans ce manuel, considérer que la personne se trouve assise dans le siège de l'opérateur, en position de fonctionnement en marche avant.

Certaines illustrations et informations reprises dans ce manuel de pièces de rechange ont été fournies à Bobcat par des fabricants de composants.

ABBREVIATIONS & SYMBOLES

SALES	= Commander au Service Ventes à Bruxelles
NSS	= Pas vendu séparément
NAP	= Non disponible comme pièce de rechange
*	= Chapitre, page ou numéro de pièce modifié ou supplémentaire
BTI	= Bobcat Technical Information Bulletin : voir à la fin de la microfiche du modèle concerné ou la microfiche générale reprenant l'ensemble des "BTI".
was 6535403	= était avant 6535403
adj. (adjustment)	= réglage
Assembly	= ensemble
available W/Ref.	= disponible avec réf.
bulk/sold per foot	= en vrac/vendu par pied
does not include	= ne comprend pas
included with	= compris dans
I.D.	= D.I. (diamètre intérieur)
O.D.	= D.E. (diamètre extérieur)
not in kit	= pas en kit
W/ - WO/	= inclus/ - non inclus/
Qty	= quantité requise
see page/ref.	= voir page/réf.
used with ref/	= utilisé avec réf.
0,05 inch thickness	= 0,05 pouce d'épaisseur (un pouce = 25.4 mm)
weld on	= à souder

ALLGEMEINE INFORMATIONEN

Bei Angabe der Maschinen-Seriennummer stets die komplette Nummer angeben.

Bei der in der Mengenspalte (Anzahl) in diesem Handbuch angegebenen Zahl handelt es sich um die Anzahl von Teilen, die für die Abbildung auf der betreffenden Seite benötigt werden. Bei manchen Teilen in der Mengenspalte ist ein "x" angegeben. Dieses "x" weist darauf hin, dass sich die Anzahl der verwendeten Teile auf den "Bedarf" bezieht.

Bei Verwendung der Seitenangaben links und rechts in diesem Handbuch gelten diese für die Blickrichtung vom Fahrersitz aus, und zwar in Vorwärts-Betriebsrichtung.

Einige der in diesem Ersatzteillandbuch aufgeführten Abbildungen und Informationen wurden der Bobcat von den Herstellern von Maschinenbauteilen zur Verfügung gestellt.

ABKÜRZUNGEN UND SYMBOLE

SALES	= Bestellung bei der Verkaufsabteilung in Brüssel
NSS	= Nicht einzeln erhältlich
NAP	= Nicht als Ersatzteil erhältlich
*	= Geänderte oder hinzugefügte Abschnitte, Seiten oder Teilenummern
BTI	= Bobcat Technical Information Bulletin : Siehe am Ende der Mikrokarte des jeweiligen Modells oder der allgemeinen Mikrokarte der BTI.
was 6535403	= War 6535403
adj.	= Einstellung
Assembly	= Baugruppe
available W/Ref.	= erhältlich mit der Referenz
bulk/sold per foot	= Mengenabnahme / Verkauf pro Fuss
does not include	= beinhaltet nicht
included with	= enthalten in
I.D.	= Innendurchmesser
O.D.	= Aussendurchmesser
not in kit	= nicht in Bausatz
W/ - WO/	= mit/ - ohne/
Qty	= Anzahl
see page/ref.	= Siehe Seite / Referenz
used with ref.	= verwendet mit Referenz
0.05 inch thickness	= Dicke : 0.05 Zoll (ein Zoll = 25.4 mm)
weld on	= anschweißen

INFORMAZIONI GENERALI

Quando si usa il numero di serie della macchina usare il numero completo.

Il numero mostrato nella colonna della quantità di questo manuale corrisponde al numero di componenti necessari per l'illustrazione della pagina. Per alcuni componenti appare "X" nella colonna delle quantità. Questa "X" indica che la quantità da usare è "come necessario".

See in questo manuale si fa riferimento alla parte destra o sinistra, si intende dal sedile dell'operatore nella posizione in avanti di funzionamento.

Alcune delle illustrazioni e informazioni trovate in questo manuale di componenti sono state fornite alla Bobcat da società di componenti di macchine.

SIMBOLI E ABBREVIAZIONI

SALES	= Ordinare al servizio vendite di Bruxelles
NSS	= Non vendute separatamente
NAP	= Non disponibile come componente
*	= Sezioni, pagine o numeri di componente cambiati o aggiunti
BTI	= (Bobcat Technical information) Ved. al termine del microfiche del modello relativo oppure microfiche generale
was 6535403	= era 6535403
adj. (adjustment)	= regol. (regolazione)
Assembly	= Complessivo
available W/ref.	= disponibile con rif.
bulk/sold per foot	= alla rinfusa/venduto al piede
does not include	= non comprende
Included with	= compreso con
I.D.	= d. i.
O.D.	= d. e.
not in kit	= non fa parte del kit
W/ - WO/	= con - senza
Qty	= Qtà
see page/ref	= ved. pagina/rif.
used with ref.	= usato con il rif.
0,05 inch thickness	= spessore 0,05 pollici (un pollice = 25,4 mm)
weld on	= a saldare

INFORMACION GENERAL

Al utilizar el número de serie de la máquina, debe emplearse el número completo.

El número que figura en la columna de "Unidades" en este manual es el número de piezas que se necesitan para la ilustración que consta en la página. En algunas piezas aparece una "x" en la columna de "Unidades". Esta "x" indica que las unidades a utilizar son "según sea necesario".

Cuando se empleen las referencias izq. y dcha., éstas se entienden mirando desde el asiento del conductor, en posición de marcha adelante.

Algunas de las ilustraciones y la información que figuran en este manual de piezas han sido facilitadas a Bobcat por empresas de componentes de máquinas.

ABREVIATURAS Y SIMBOLOS

VENTAS	= Pedido al Departamento de Ventas de Bruselas
NSS	= No se vende por separado
NAP	= No disponible como pieza de repuesto
*	= Secciones, páginas o referencias modificadas o añadidas
BTI	= (Bobcat Technical Information) Ver al final de la microficha del modelo afectado o en la microficha general "Boletín de Información Técnica Bobcat".
was 6535403	= era anteriormente el 6535403
adj. (adjustment)	= ajuste
assembly	= conjunto
available W/Ref.	= disponible con la ref.
bulk/sold per foot	= a granel/vendido por pies
does not include	= no incluye
included with	= incluido en
I.D.	= diámetro interior
O.D.	= diámetro exterior
not in kit	= no en el kit
W/ - WO/	= con/ - sin
Qty	= Unidades
see page /ref.	= ver página/ref.
used with ref.	= empleado con la ref.
0,05 inch thickness	= 0,05 pulgadas de espesor (1 pulgada = 25,4 mm)
weld on	= debe ser soldado

ALGEMENE INFORMATIE

Als u het serienummer van de machine gebruikt, geef dan het gehele serienummer.

Het cijfer dat voorkomt in de kolom "Aantal", in deze handleiding, is het aantal onderdelen dat nodig is van de illustratie op de pagina. Voor sommige onderdelen staat er een "x" in de kolom "Aantal". Deze "x" betekent dat er een aantal "zoals nodig" vereist is.

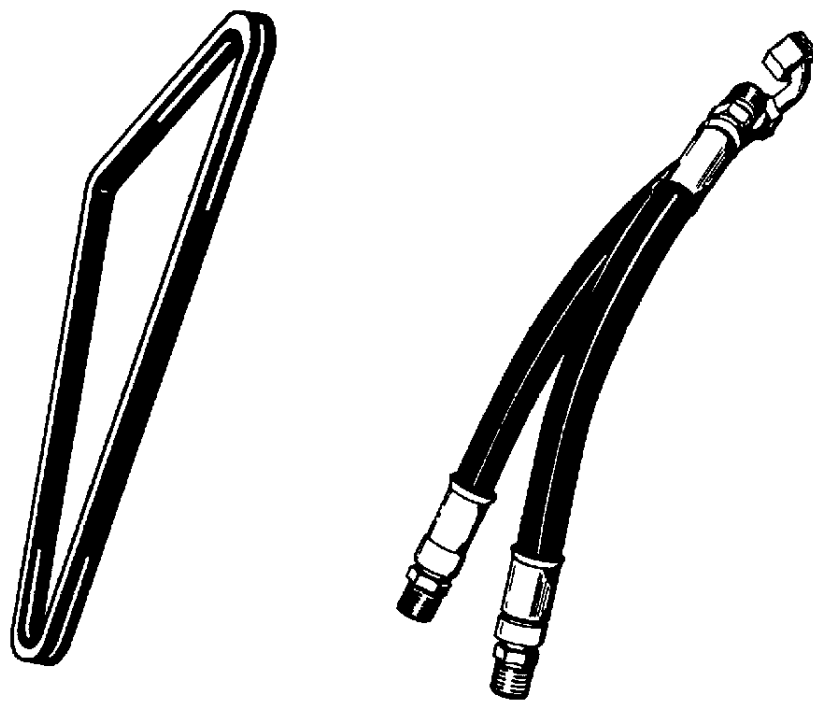
Wanneer er in deze handleiding naar "links" en naar "rechts" gerefereerd wordt, moet dit verstaan worden voor een bestuurder die in de bestuurdersstoel zit in de voorwaartse bedrijfsstand.

Sommige van de illustraties en informatie in deze onderdelen-handleiding werden door firma's van machine-componenten geleverd aan Bobcat.

AFKORTINGEN EN SYMBOLEN

SALES	= Bestellen bij de Verkoopafdeling te Brussel
NSS	= Niet afzonderlijk te verkrijgen
NAP	= Niet beschikbaar als onderdeel
*	= Gewijzigde of toegevoegde paragrafen, pagina's of onderdeelnummers
BTI	= Bobcat Technical Information Bulletin : Zie einde van de microfiche van het desbetreffende model of einde van de algemene microfiche die het geheel van alle "BTI" herneemt.
was 6535403	= was vroeger 6535403
adj. (adjustment)	= afstelling
Assembly	= geheel
available W/Ref.	= beschikbaar met ref.
bulk/sold per foot	= bulk/aan de meter verkocht
does not include	= bevat niet
includes with	= is bevat in
I.D.	= ϕ inw. (inwendige diameter)
O.D.	= ϕ uitw. (uitwendige diameter)
not in kit	= niet in de kit
W/ - WO/	= met/ - zonder/
Qty	= vereiste aantal
see page/ref.	= zie pagina/ref.
used with ref/	= gebruikt met ref.
0,05 inch thickness	= 0.05 inch dik (een inch = 25.4 mm)
weld on	= te lassen

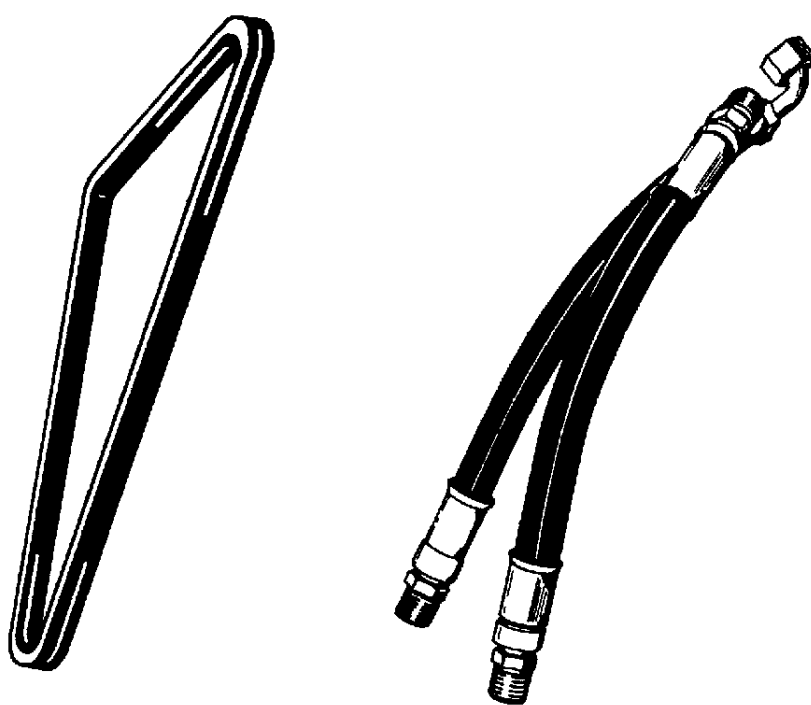
**Use only Bobcat belts and hoses
to maintain maximum service life.**



Available from Bobcat Parts.



**Use only Bobcat belts and hoses
to maintain maximum service life.**



Available from Bobcat Parts.



Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com