OWNER'S MANUAL

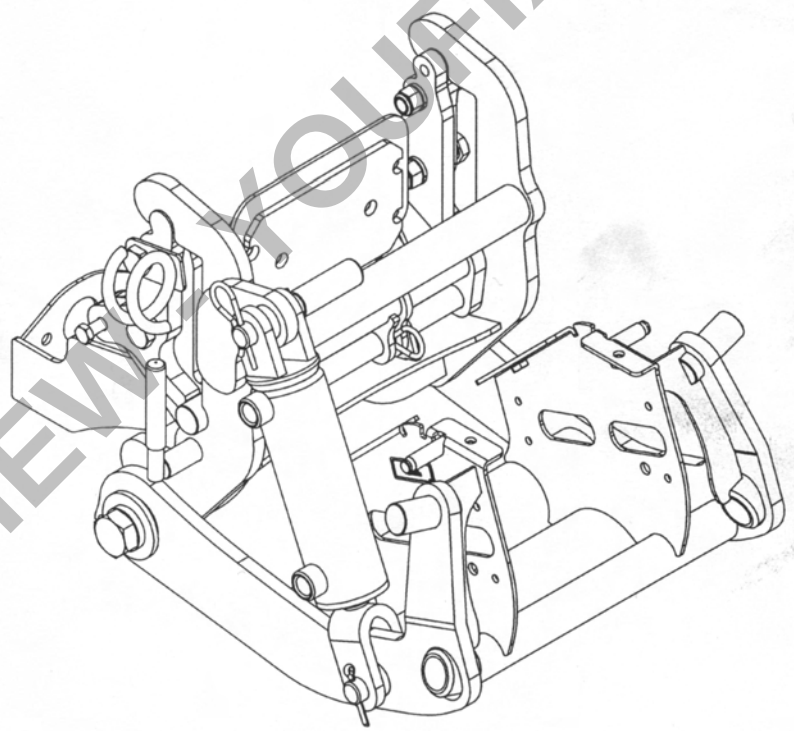
OM0455QH-A / Rev0 11-16

MANUAL PN 77700-07703

Kubota®

BX2810 – 4 point hitch A shape
BX2811 – Drive system "K-Connect"

SERIAL NO. 21700001 AND UP



For BX1880 / BX2380 / BX2680 / BX23S series

PLEASE READ THIS MANUAL CAREFULLY

KEEP READY AT ALL TIMES

PREVIEW AT YOUFIXTHIS.COM

Download full manual at youfixthis.com

TABLE OF CONTENT

INTRODUCTION 1

TABLE OF CONTENT 3

SAFETY INFORMATION 5

GENERAL SAFETY INFORMATION- Pictograms 7

SAFETY LABELS 9

ESTIMATED ASSEMBLY TIME 10

ASSEMBLY 11

- Assembly of 4 Point Hitch and Subframe 11
  - Installation of Front Adaptor 12
  - Subframe Assembly 14
  - Installation of the Hydraulic Components 15
  - Installation of the Subframe on the Tractor 16
  - Installation of the Hose Support 19
  - Connecting the Hydraulic Hoses to the Tractor 20
  - Installation of the BX2811 Drive Kit (option) 21
  - Removing the Subframe from the Tractor 28
  - Reinstalling the Subframe on the Tractor 29

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

⚠SAFETY INFORMATION

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are generally attracted to machines and the work being done. Never assume children will remain where you last saw them

1. Keep children out of the operating area and under the watchful eye of another responsible adult.
2. Be alert and turn machine off if children enter the work area.
3. Before and when backing, look behind for small children.
4. Never carry children while operating the machine. They may fall off and be seriously injured or interfere with the safe operation of the machine.
5. Never allow children to play on the machine or attachment even when the machine is turned off.
6. Never allow children to operate the machine even under adult supervision.
7. Use extra care when approaching blind corners, shrubs, trees, or other obstructions that might hide children from sight.

Before Operation

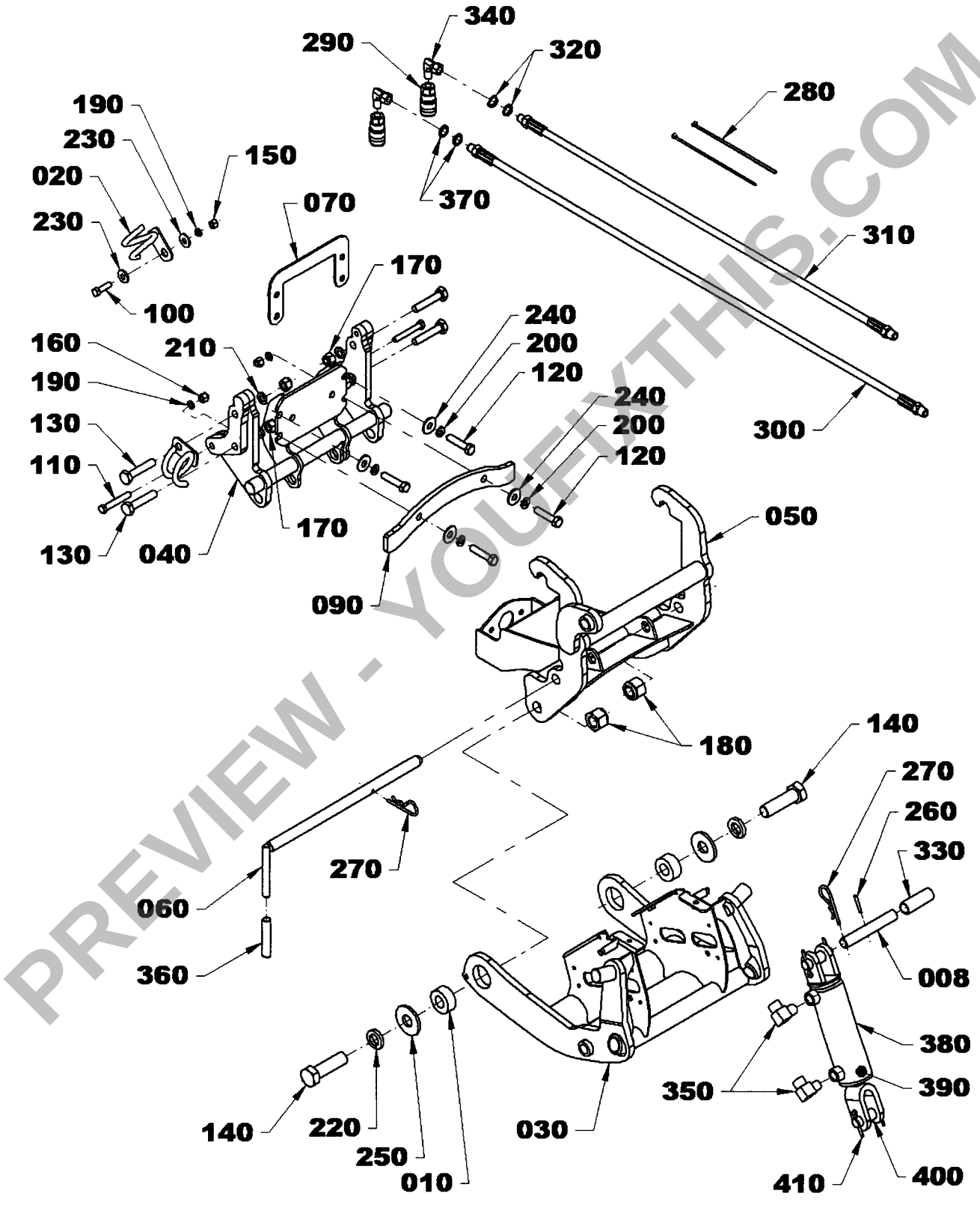
1. Read and understand both the machine AND implement operator's manual before using the snowblower. Know how to operate all controls and how to stop the unit and disengage the controls quickly. Lack of knowledge can lead to accidents.
2. Park the machine/implement on level ground, set the parking brake, lower the implement to the ground, place all control levers in neutral, shut off the engine and remove the ignition key and allow the rotating parts to stop BEFORE making any implement adjustments, repairs or inspections.
3. Keep clear of all rotating parts. Do not put hands or feet under, or into snowblower and subframe with engine running.
4. For your safety, do not work under any hydraulically supported machine elements, they may creep down, suddenly drop or be accidentally lowered. Do not use loader, quick hitch, or an implement as a jack for servicing.
5. Do not operate the machine/implement that is defective or has missing parts. Make sure that all recommended maintenance procedures are completed before operating the unit.
6. Keep the machine/implement clean. Snow, dirt or ice build-up can lead to malfunction or personal injury from thawing and refreezing in garage. Inspect and clean every rotating parts.
7. Do not modify or alter this implement or any of its components, or any implement function without first consulting your dealer. The manufacturer will not claim responsibility for fitment of unapproved parts and/or accessories and any damages as a result of their use.
8. Verify that all machine/implement safety protective devices are in place. Shields, guards and covers must be correctly installed at all times. When necessary to remove these for servicing, cleaning, or repair work, they must be reinstalled immediately.
9. Always make sure all implement components are properly installed and securely fastened.
10. Check that all machine/implement drivelines are in good working order.
11. Check for moving parts excessive wear regularly. ALWAYS USE GENUINE PARTS WHEN REPLACEMENT PARTS ARE REQUIRED.
12. Prior to operation, clear work area and mark all curbs, pipes, etc. that cannot be moved.
13. Inspect the machine/implement after striking any foreign object to assure that all machine/implement parts are safe and secure and not damaged.
14. Handle fuel with care, as it is highly flammable. Use approved fuel container.
15. Never add fuel to a running engine or a hot engine.
16. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel cap securely and wipe up spilled fuel. Always refuel using properly grounded system.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PARTS

HITCH AND SUBFRAME BX2810



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PARTS

HITCH AND SUBFRAME BX2810				
REF.	PART #	QTY	DESCRIPTION	CODE
010	70060-00758	2	Pivot bushing ø1 3/4" PTD	665826
020	77700-04288	2	Hose support	670319
030	77700-07766	1	4-point male hitch "A" shape	671558
040	77700-07767	1	Front adaptor	671563
050	77700-07768	1	Subframe	671564
060	77700-07769	1	Pin "L" Ø 3/4" x 14 3/4" lg. PTD	671575
070	77700-07770	1	Retaining plate for bolts	671576
080	77700-07771	1	Pin 3/4" X 5" lg PTD	671586
090	77700-07780	1	Spacer 3/8" thick	671631
100	75599-01325	1	Bolt hex. 3/8"NC x 1 1/4" lg. Gr. 5, PTD	0100039
110	75599-01350	2	Bolt hex. 3/8"NC x 2 1/2" lg. gr.5 PTD	0100044
120	77700-04646	4	Bolt hex. 7/16" NC x 2" lg. gr.5 PTD	0100060
130	77700-04800	4	Bolt hex.1/2"NC x 2 1/2" lg. gr.5 PTD	0100076
140	77700-03452	2	Bolt hex.7/8"NC x 3" lg. gr.5 PTD	0100228
150	75599-31013	1	Nut hex. 3/8"NC PTD	0900003
160	75599-31913	2	Nut hex. nylon insert 3/8" NC PTD	1000006
170	75599-31915	4	Nut hex. nylon insert 1/2" NC PTD	1000011
180	77700-04009	2	Nut hex. nylon insert 7/8" NC PTD	1000014
190	75599-33013	3	Lockwasher 3/8" PTD	1200004
200	75599-33014	4	Lockwasher 7/16" PTD	1200005
210	75599-33015	6	Lockwasher 1/2" PTD	1200006
220	77700-04011	2	Lockwasher ø7/8" PTD	1200009
230	75599-32014	2	Flat washer 3/8" PTD	1400004
240	75599-32015	4	Flat washer 7/16" PTD	1400005
250	77700-04227	2	Flat washer 7/8", PTD	1400012
260	77700-01669	1	Spring pin ø3/16" X 1 1/4"	1600007
270	70060-04187	2	Hairpin 4 mm x 80 mm	1800002
280	70060-02398	2	Tie wrap 8" LG. X 4.8mm, black	2100003
290	77700-07782	2	Quick coupler 1/4"NPT F	2600249
300	77700-07017	1	Hose 1/4" x 45", 1/4"NPT M x 3/8"NPT M	3700291
310	77700-07783	1	Hose 1/4" x 37", 1/4"NPT M x 3/8"NPT M	3700303
320	77700-00997	2	Identification ring - white	4200032
330	77700-07784	1	Handle 3/4" x 2 1/2" lg., plastic	4200056
340	70001-00599	2	Elbow 90° 1/4"NPT M x 1/4"NPT PVF	655211
350	70060-70380	2	Elbow 90°, 3/8"NPT M X 3/8"NPT F	655314
360	70060-01318	1	Handle 1/2" x 3" lg., plastic	656797
370	70060-01569	2	Identification ring - yellow	658206
380	70001-00871	1	Cylinder 2" x 5"	665433
390	70001-00872	1	Seal kit for cylinder	665434
400	70001-00795	1	Pin 3/4" x 2 1/2" lg. PTD (incl. with cylinder)	665235
410	77700-01116	2	Cotter pin 3/16" x 1 1/2" lg. (incl. with cylinder)	1500013

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE

IMPORTANT: Perform all the maintenance section without taking into account the hours given in the following cases:

- At least once a year if the subframe and drive kit are used less than 20 hours annually.
- After each storage period..
- After each wash.

MAINTENANCE SCHEDULE		
DESCRIPTION	**INTERVAL**	**REQUIRED MAINTENANCE**
Hardware	After the first 8 hours of operation 40 hours of operation	Tightens all bolts and nuts according to the Torque Specification Table.
Connection points	After each equipment connection	Visual inspection of the clutch shaft, hydraulic/electric connectors and the hitch connection points. Clean if necessary.
Driveline telescopic joint	Before first use 20 hours of operation	Grease the telescopic joint. **Use a grease grade N.L.G.I. # 2 with a good thermal and mechanical stability that can be used in temperatures ranging from -50°C to 150°C (-58°Fto 302°F)** Number of pumping cycles: 5
Driveline journal crosses	Before first use 40 hours of operation	Grease the journal crosses. **Use a lithium soap grease E.P. compatible grade N.L.G.I. # 2 and containing no more than 1% of molybdenum disulfide.** Number of pumping cycles : 8-10
Pivot bushings of the hitch	20 hours of operation	Lubricate the bushings. **Use chainsaw oil heavy grade.**
Flange bearings	Before first use 20 hours of operation	Grease the flange bearings. **Use a lithium soap grease E.P. compatible grade N.L.G.I. # 2 and containing no more than 1% of molybdenum disulfide.** Number of pumping cycle: 3-4
Cylinder pins	Twice a year	Clean and grease the pins and bushings.
Hydraulic, electric and connection systems	After the first 8 hours 40 hours of operation	• Visual inspection to detect hydraulic leaks. Tighten, repair or replace if necessary. • Visual inspection of the electrical wiring and connectors. Repair or replace if necessary.

Note: To get access to the K-Connect driveline, the driveline guard (item 1) must be removed from the male hitch (item 2) by removing the four bolts and flat washers (items3 4).

⚠ **WARNING: To avoid serious injuries or death make sure to reinstall the driveline guard (item 1) before using the hitch.**

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TORQUE SPECIFICATION TABLE

GENERAL SPECIFICATION TABLE

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

Note: These values apply to fasteners as received from supplier dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly sidulphide greases or other extreme pressure lubricants are used. These values apply to dry conditions; under lubricated conditions reduce by 25% the torques in this table.

BOLT HEAD IDENTIFICATION

INCHES Bolt Size	Grade 2		Grade 5		Grade 8	
in-tpi [1]	N-m [2]	lbs-ft [3]	N-m	lbs-ft	N-m	lbs-ft
1/4" – 20NC	7.4	5.6	11	8	16	12
1/4" – 28NF	8.5	6	13	10	18	14
5/16" – 18NC	15	11	24	17	33	25
5/16" – 24NF	17	13	26	19	37	27
3/8" – 16NC	27	20	42	31	59	44
3/8" – 24NF	31	22	47	35	67	49
7/16" – 14NC	43	32	67	49	95	70
7/16" – 20NF	49	36	75	55	105	78
1/2" – 13NC	66	49	105	76	145	105
1/2" – 20NF	75	55	115	85	165	120
9/16" – 12NC	95	70	150	110	210	155
9/16" – 18NF	105	79	165	120	235	170
5/8" – 11NC	130	97	205	150	285	210
5/8" – 18NF	150	110	230	170	325	240
3/4" – 10NC	235	170	360	265	510	375
3/4" – 16NF	260	190	405	295	570	420
7/8" – 9NC	225	165	585	430	820	605
7/8" – 14NF	250	185	640	475	905	670
1" – 8NC	340	250	875	645	1230	910
1" – 12NF	370	275	955	705	1350	995
1 1/8" – 7NC	480	355	1080	795	1750	1290
1 1/8" – 12NF	540	395	1210	890	1960	1440
1 1/4" – 7NC	680	500	1520	1120	2460	1820
1 1/4" – 12NF	750	555	1680	1240	2730	2010
1 3/8" – 6NC	890	655	1990	1470	3230	2380
1 3/8" – 12NF	1010	745	2270	1670	3680	2710
1 1/2" – 6NC	1180	870	2640	1950	4290	3160
1 1/2" – 12NF	1330	980	2970	2190	4820	3560

METRIC Bolt Size	5.8 Class 5.8		8.8 Class 8.8		10.9 Class 10.9	
mm x pitch [4]	N-m	lbs-ft	N-m	lbs-ft	N-m	lbs-ft
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

[1] in-tpi = nominal thread diameter in inches-threads per inch
[2] N-m = newton-meters
[3] lbs-ft= pounds-foot
[4] mm x pitch = nominal thread diameter in millimeters x thread Pitch

*Torque tolerance +0%, -15% of torquing values. Unless otherwise specified use torque values listed above

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OPERATION

GENERAL PREPARATION

1. Make sure the equipment driveline is properly secured
2. Make sure the equipment is operating freely.

WARNING: To avoid serious injurious or death:

- **Never allow anyone near the work area.**
- **Never allow anyone to climb on the equipment or the subframe.**
- **Before cleaning, adjusting or repairing the equipment or subframe, immobilize the tractor, wait for the complete stop of the moving parts, set the parking brake, lower the equipment to the ground, shut off the engine and remove the ignition key.**
- **Never place any part of your body under the equipment when making adjustments.**

WARNING
Always operate the equipment from the tractor seat.

WARNING
Operate the equipment at a speed that corresponds to the work area conditions. Be careful when working near a slope or on uneven ground.

WARNING
Always wear safety glasses when operating the equipment.

OPERATION

Controls

The front loader hydraulic valve lever controls the movements of the hitch and equipment installed.

- To RAISE the hitch and equipment, pull on the valve lever.
- To LOWER the hitch, push slightly on the valve lever.
- To place the equipment in FLOAT mode, push on the valve lever completely until it engages and remains in that position. The float mode allows the equipment to follow ground contours when the tractor is moving.

IMPORTANT: Always use float mode when operating the snowblower, blade or broom.

It is however possible to momentarily lock the position of the snowblower or blade when working in an area where the snow has hardened such as roadsides.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 52 pages

The full manual includes:

- All 52 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kubota BX2810, BX2811 Owner Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual