

RCH[™] Mower
Radial Contouring
Hitch Mower

**Parts
Manual**



*RCH[™] Mower
Radial Contouring
Hitch Mower*

**Parts
Manual**

Highline Manufacturing Limited
HWY #27, P.O. Box 307
Vonda, SK S0K 4N0
Canada
Phone: 306.258.2233
Fax: 306.258.2010
Toll Free: 1.800.665.2010

E9264V2

This Page Left Blank

Table of Contents

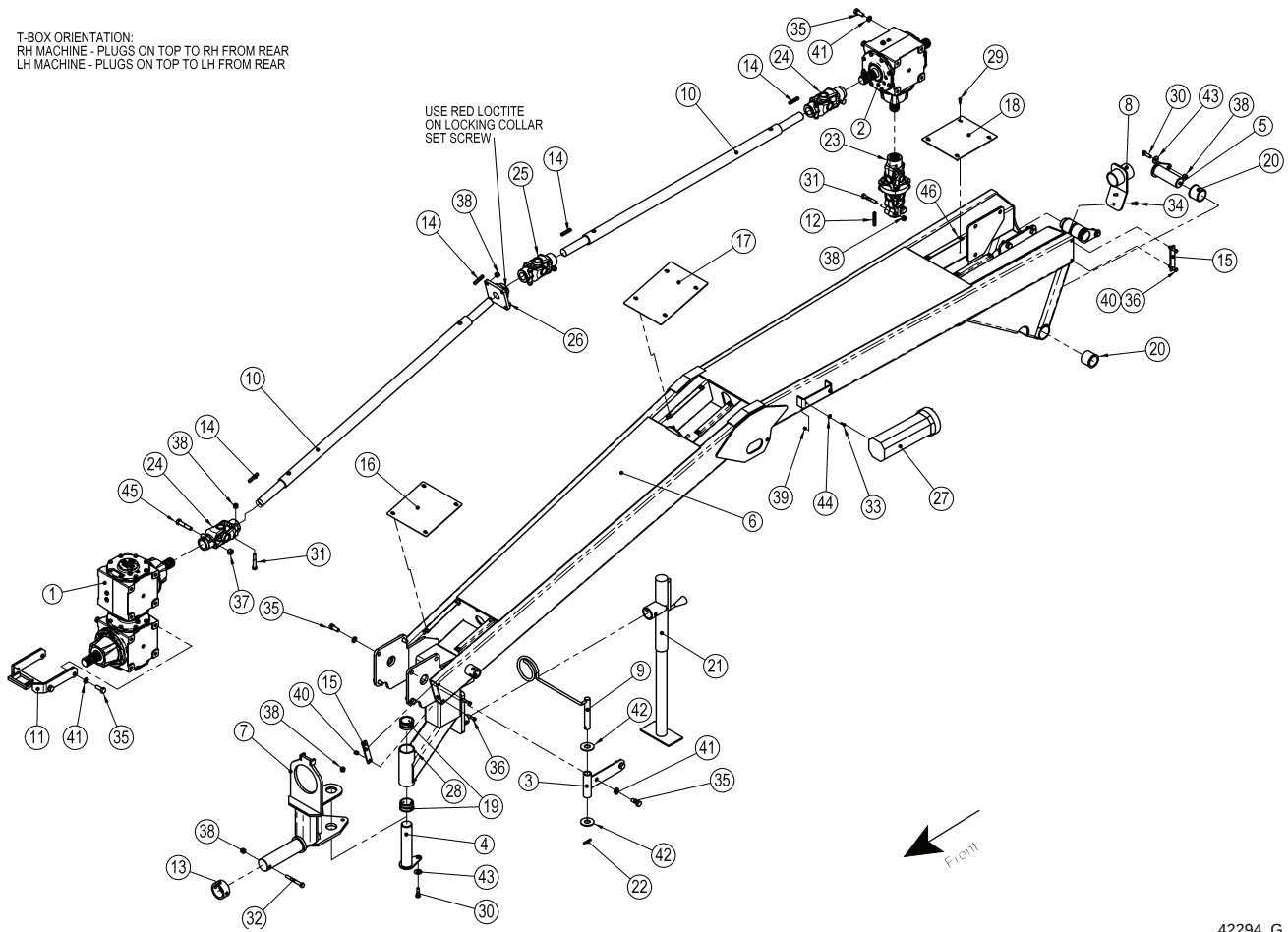
1.0 Hitch Assembly	24.0 Right Hand Wing Gearbox - Right Hand Mower - CW In, CW Out
2.0 Single Point Hitch Assembly	25.0 Hydraulic Cylinders
3.0 Two Point Hitch Assembly	26.0 Hydraulic Cylinder 2 ½ x 8
4.0 Fifth Wheel Assembly	27.0 Hydraulic Cylinder 2 ¾ x 8
5.0 Center Deck Assembly	28.0 Hydraulic Cylinder 3 x 8
6.0 Front Wheel Mounting	29.0 Hydraulic Cylinder 3 x 30
7.0 Rear Wheel Mounting	30.0 Hydraulic Cylinder 3 ½ x 12
8.0 Hubs and Spindles	31.0 Hydraulic Connectors
9.0 Right Hand Wing Assembly	32.0 Wheel Assemblies
10.0 Left Hand Wing Assembly	33.0 Gradient Control
11.0 Wing Lift Assembly	34.0 Gradient Control - 4 Tractor Remote
12.0 Chain Guards	35.0 Hydraulic Cylinder 2 x 8 - Gradient Control
13.0 Light Kit Assembly	36.0 Hydraulic Options
14.0 Decals	37.0 Gearbox Temperature Sensing Option
15.0 Driveline and Guards	38.0 High Flotation Front Axle Option
16.0 Hitch Driveline	39.0 High Flotation Front Wheel Hub
17.0 Hitch Clutch	40.0 High Flotation Front Axle - Gradient Control - 2 or 3 Tractor Remote
18.0 Wing Driveline	41.0 High Flotation Front Axle - Gradient Control - 4 Tractor Remote
19.0 Wing Clutch	42.0 Toolbox
20.0 Swivel Gearbox	43.0 Manuals
21.0 T-Box Gearbox	
22.0 Splitter Gearbox	
23.0 Left Hand Wing Gearbox - Right Hand Mower - CW In, CCW Out	

1.0 Hitch Assembly

Page 1 of 2

From Serial No: RCH0000018

T-BOX ORIENTATION:
RH MACHINE - PLUGS ON TOP TO RH FROM REAR
LH MACHINE - PLUGS ON TOP TO LH FROM REAR



42294_G

Parts Information - RCH™ Mower

1.0 Hitch Assembly

Page 2 of 2

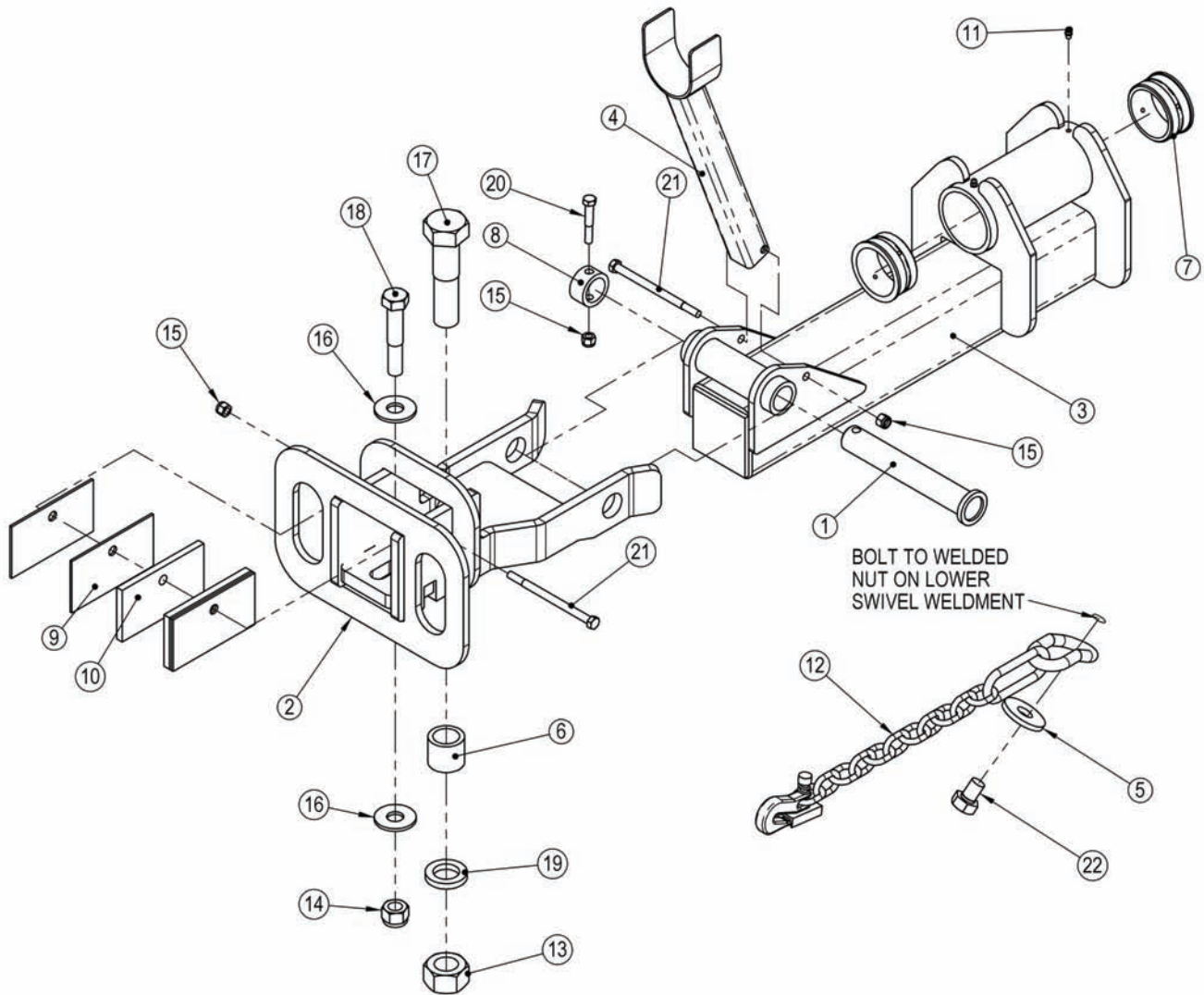
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42121	DRV,GBOX,SWIVEL,1:1	1
2	42125	DRV,GBOX,T-BOX	1
3	42230	HOSE MNT,RCH	1
4	42231	PIN,2X9-1/8U,3C	1
5	42235	PIN,2X5-13/16U,3C	2
6	42254	ARM,HITCH	1
7	42278	SWIVEL,LOWER,RCH	1
8	42289	GUARD,T-BOX,RCH	1
9	42394	SWIVEL,HOSE HLDR	1
10	42395	SHAFT,DRV,RCH	2
11	42439	BRACKET,ANTI-ROTATION	1
12	E6851	KEY,3/8X2-7/8	1
13	E9094	SLEEVE,HITCH,STOP	1
14	E9150	KEY,3/8X2-3/8	4
15	E9151	CLAMP,HOSES,RCH	4
16	E9153	COVER,HITCH,FRONT	1
17	E9154	COVER,HITCH,MIDDLE	1
18	E9155	COVER,HITCH,REAR	1
19	E9194	BUSHING,BRNZ,2-1/2x2	2
20	E9196	BUSHING,BRNZ,2-1/ X2,NO GREASE	4
21	32463	JACK,2000LBSX15",SIDEWIND	1
22	32782	PIN,SPRING,5/16x1-3/4	1
23	34084	DRV,DBL U-JOINT,35E,1-3/4X1-1/2	1
24	34085	DRV,U-JOINT,35E,1-3/4X1-1/2	2
25	34086	DRV,U-JOINT,35E,1-1/2X1-1/2	1
26	34139	BEARING ASSY - 4 BOLT, 1-1/2 BORE	1
27	34394	HOLDER,DOCUMENT,PLASTIC	1
28	30207	ZERK,1/4-28,GF641,STRAIGHT	2
29	30294	SCREW,TEK,1/4X1	12
30	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	3
31	31021	BOLT,HEX,1/2X3,UNC,GR5,ZP	5
32	31026	BOLT,HEX,1/2X4,UNC,GR5,ZP	1
33	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	2
34	31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	2
35	31051	BOLT,HEX,5/8X1-1/2,UNC,GR5,ZP	16
36	31066	BOLT,HEX,3/8X1-3/4,UNC,GR5,ZP	8
37	31169	NUT,STOVER,5/8,UNC,GR5,ZP	2
38	31173	NUT,NYLOCK,1/2,UNC,ZP	13
39	31174	NUT,NYLOCK,1/4,UNC,ZP	2
40	31176	NUT,NYLOCK,3/8,UNC,ZP	10
41	31218	WASHER,LOCK,5/8,ZP	16
42	31235	WASHER,FLAT,1,ZP	2
43	31236	WASHER,FLAT,1/2,ZP	3
44	31237	WASHER,FLAT,1/4,ZP	2
45	31336	BOLT,HEX,5/8X3,UNC,GR5,ZP	2
46	31593	CLIP,AUTOMOTIVE,1/4,GR5,ZP	12

2.0 Single Point Hitch Assembly

Page 1 of 2

From Serial No: RCH0000018



42241_G

2.0 Single Point Hitch Assembly

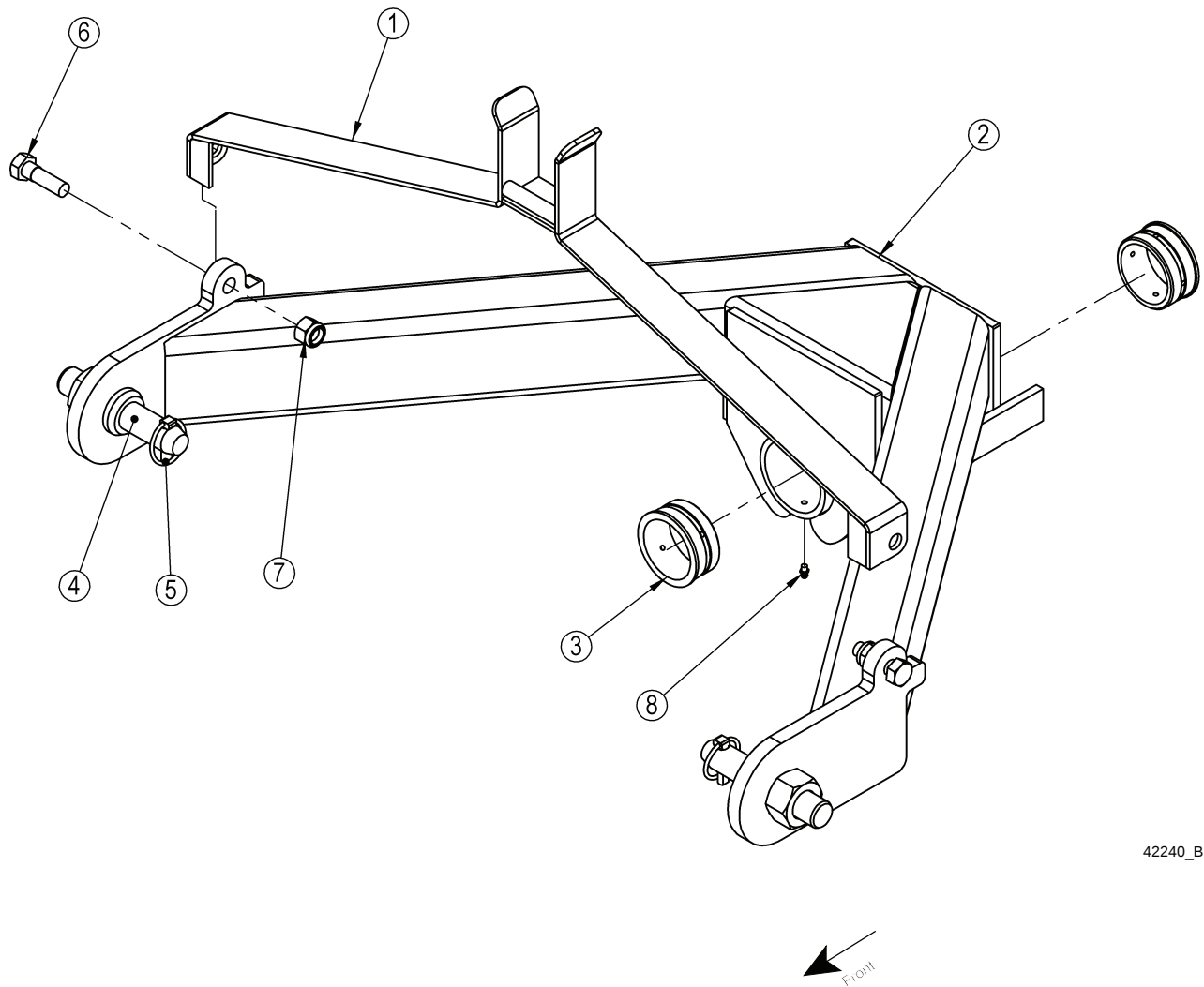
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42227	PIN,HITCH,1 PT	1
2	42282	HITCH,1PT,RCH	1
3	42283	HITCH,1 PT,SWIVEL,RCH	1
4	42300	HOLDER,PTO,RCH	1
5	E6150	PLT,C,1/4x13/16x2-1/4	1
6	E9127	PIPE,SMLS,1-3/4X.240X1-1/2L	1
7	E9195	BUSHING,BRNZ,3x2-1/2	2
8	E9207	PIPE,COLLAR,HITCH,1 PT	1
9	E9323	SHIM,1/8X3,HITCH,RCH	4
10	E9324	SHIM,3/8X3,HITCH,RCH	2
11	30207	ZERK,1/4-28,GF641,STRAIGHT	2
12	31590	CHAIN,SAFETY,ASAE,10100LB,70"	1
13	31165	NUT,HEX,1-1/4,UNC,GR5,ZP	1
14	31175	NUT,NYLOCK,3/4,UNC,ZP	1
15	31176	NUT,NYLOCK,3/8,UNC,ZP	3
16	31238	WASHER,FLAT,3/4,ZP	2
17	31459	BOLT,HEX,1-1/4X5,UNC,GR8,ZP	1
18	31487	BOLT,HEX,3/4X4,UNC,GR5,ZP	1
19	31582	WASHER,LOCK,1-1/4,ZP	1
20	31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	1
21	34620	BOLT,HEX,3/8X5-1/2,UNC,GR5,ZP	2
22	34632	BOLT,HEX,3/4X1,UNC,GR5,ZP	1

3.0 Two Point Hitch Assembly

Page 1 of 2

From Serial No: RCH0000018



42240_B

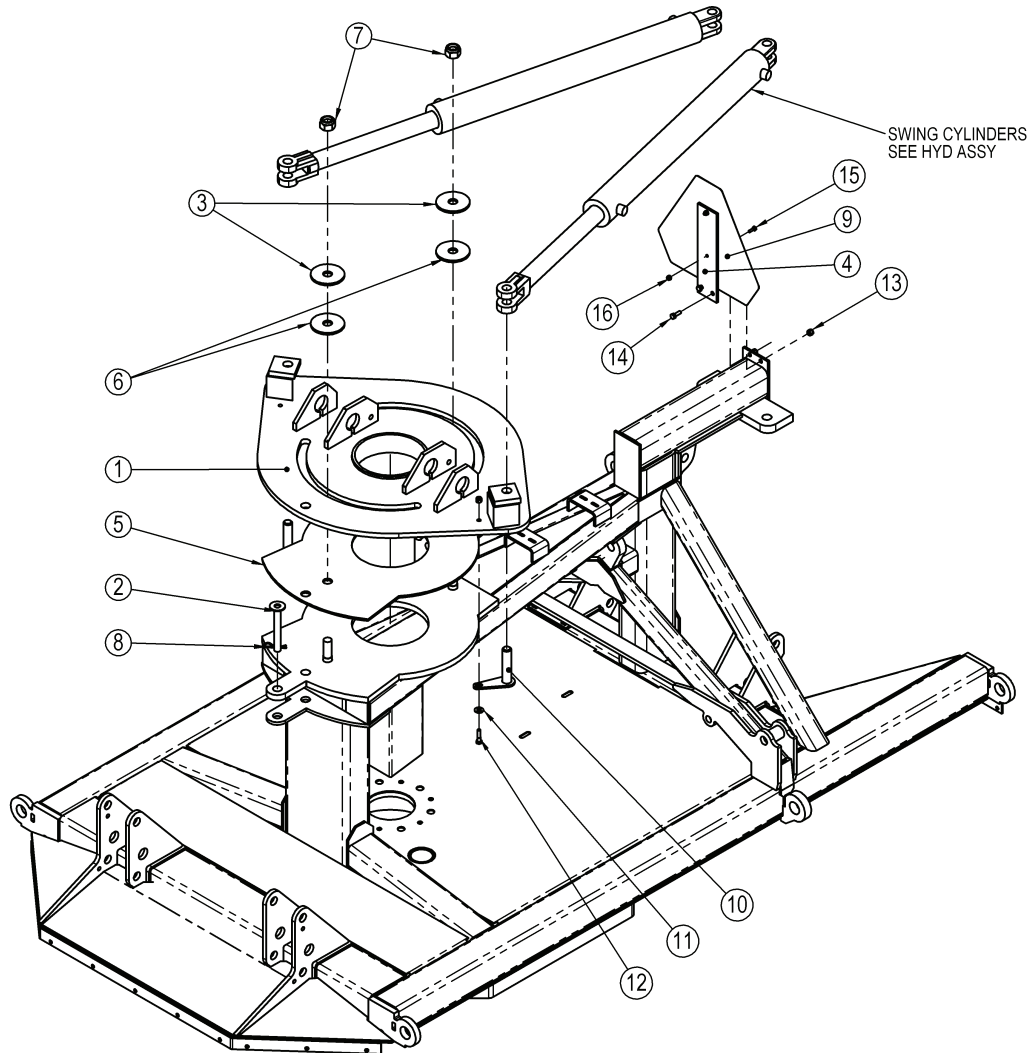
3.0 Two Point Hitch Assembly

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42239	HOLDER,PTO,2PT,RCH	1
2	42281	HITCH,2PT,RCH	1
3	E9195	BUSHING,BRNZ,3x2-1/2	2
4	34134	HITCH PIN,CAT II	2
5	34236	PIN,LYNCH,7/16X1-3/4	2
6	31052	BOLT,HEX,5/8X2,UNC,GR5,ZP	2
7	31178	NUT,NYLOCK,5/8,UNC,ZP	2
8	30207	ZERK,1/4-28,GF641,STRAIGHT	2

4.0 Fifth Wheel Assembly

From Serial No: RCH0000018



42295_A

4.0 Fifth Wheel Assembly

Page 2 of 2

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42268	FIFTH WHEEL,RCH	1
2	42286	PIN,SAFETY,SWIVEL	1
3	E9092	WASHER, SWIVEL,RCH	2
4	E9116	BAR,HOLDER,SMV	1
5	34062	PLASTIC,BEARING PLT,FIFTH WHL	1
6	34071	WASHER,PLASTIC,RCH	2
7	31172	NUT,NYLOCK,1,UNC,ZP	2
8	91608	PIN, HAIR, 1/8x2-9/16	1
9	92028	SIGN,SLOWMOVING,S276.5	1
10	42130	PIN,1X4-3/8U,3-1/4C	2
11	31351	WASHER,FLAT,3/8,ZP	2
12	31044	BOLT,HEX,3/8X1-1/2,UNC,GR5,ZP	2
13	31176	NUT,NYLOCK,3/8,UNC,ZP	4
14	31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	2
15	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	2
16	31174	NUT,NYLOCK,1/4,UNC,ZP	2

42291_E

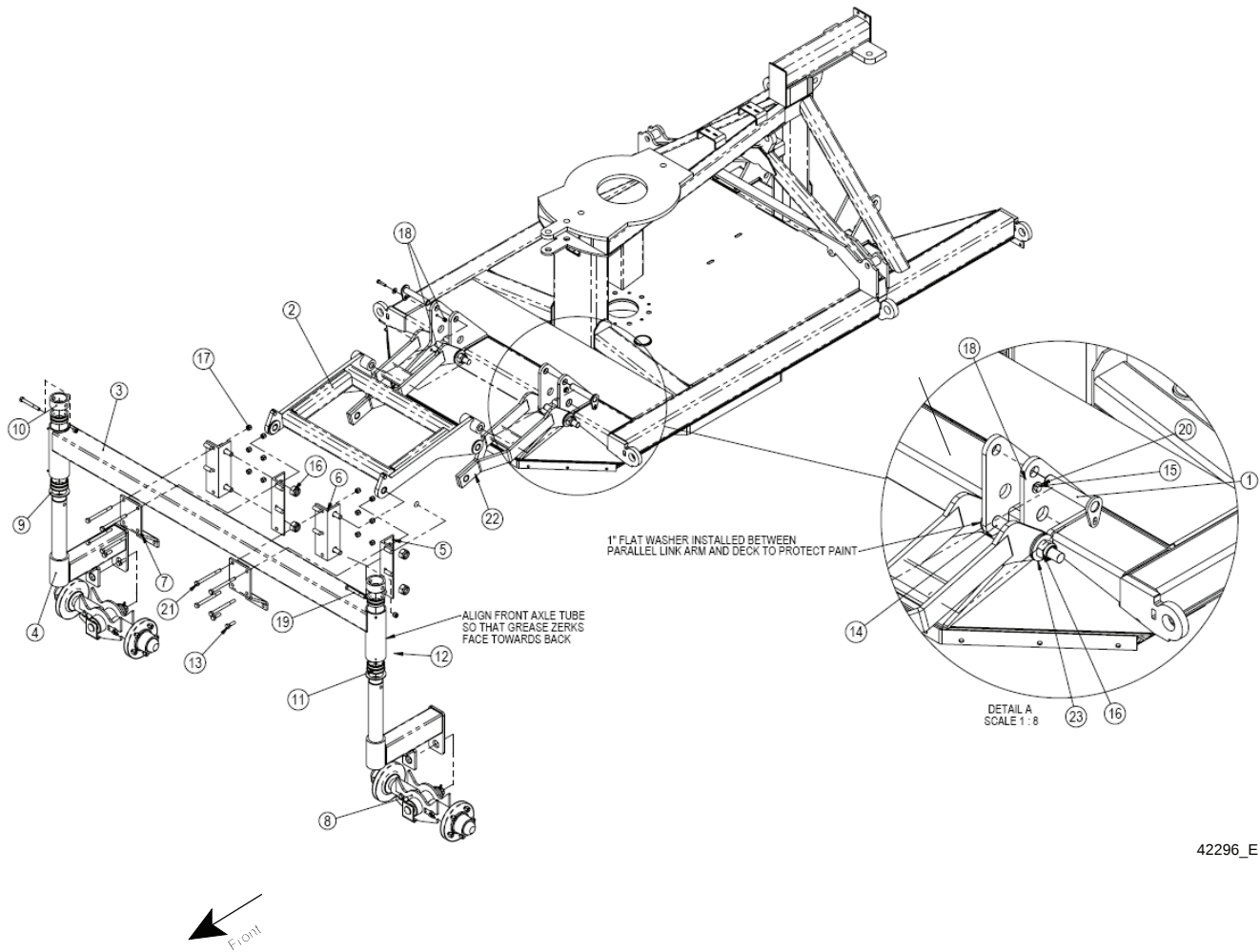
5.0 Center Deck Assembly

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42123	DRV,GBOX,SPLITTER,RCH	1
2	42131	ASSY,FASTENER,BLADE	2
3	42262	TENSION ROD,RCH	2
4	42274	CLEVIS,TENSION ROD,RCH	2
5	42276	PAN,RCH	1
6	42277	PAN LOCK,GBOX,RCH	1
7	42287	PIN,SAFETY,LIFT	2
8	42295	ASSY,FIFTH WHEEL,RCH	1
9	42296	ASSY,WHL MNT,FRONT,RCH	1
10	42297	ASSY,WHL MNT,REAR,RCH	1
11	42251	CENTER DECK,RCH	1
12	E9125	SHAFT,1X3-1/16,5/16DX2	4
13	34079	HUB, BLADE MNT, MOWER	1
14	32782	PIN,SPRING,5/16x1-3/4	8
15	34141	BOLT,WHEEL, 5/8 x 2-1/2 UNF,PLAIN	6
16	34243	BOLT,HEX,3/4X2-3/4,UNC,GR5,ZP	6
17	31162	NUT,HEX,1,UNC,GR5,ZP	2
18	31170	NUT,STOVER,5/8,UNF,GR5,ZP	6
19	33234	NUT,STOVER,3/4,UNC,GR5,ZP	6
20	91608	PIN, HAIR, 1/8x2-9/16	2
21	34228	PIN,SPRING,3/8x2	3
	34059	BLADE,MOWER,CCW,1/2X4X24-3/4 (Right Hand Slope Configuration - With Traffic and Level Ground Configuration)	2
	34058	BLADE,MOWER,CW,1/2X4X24-3/4 (Left Hand Slope Configuration - Against Traffic)	2

6.0 Front Wheel Mounting

From Serial No: RCH0000018



42296_E

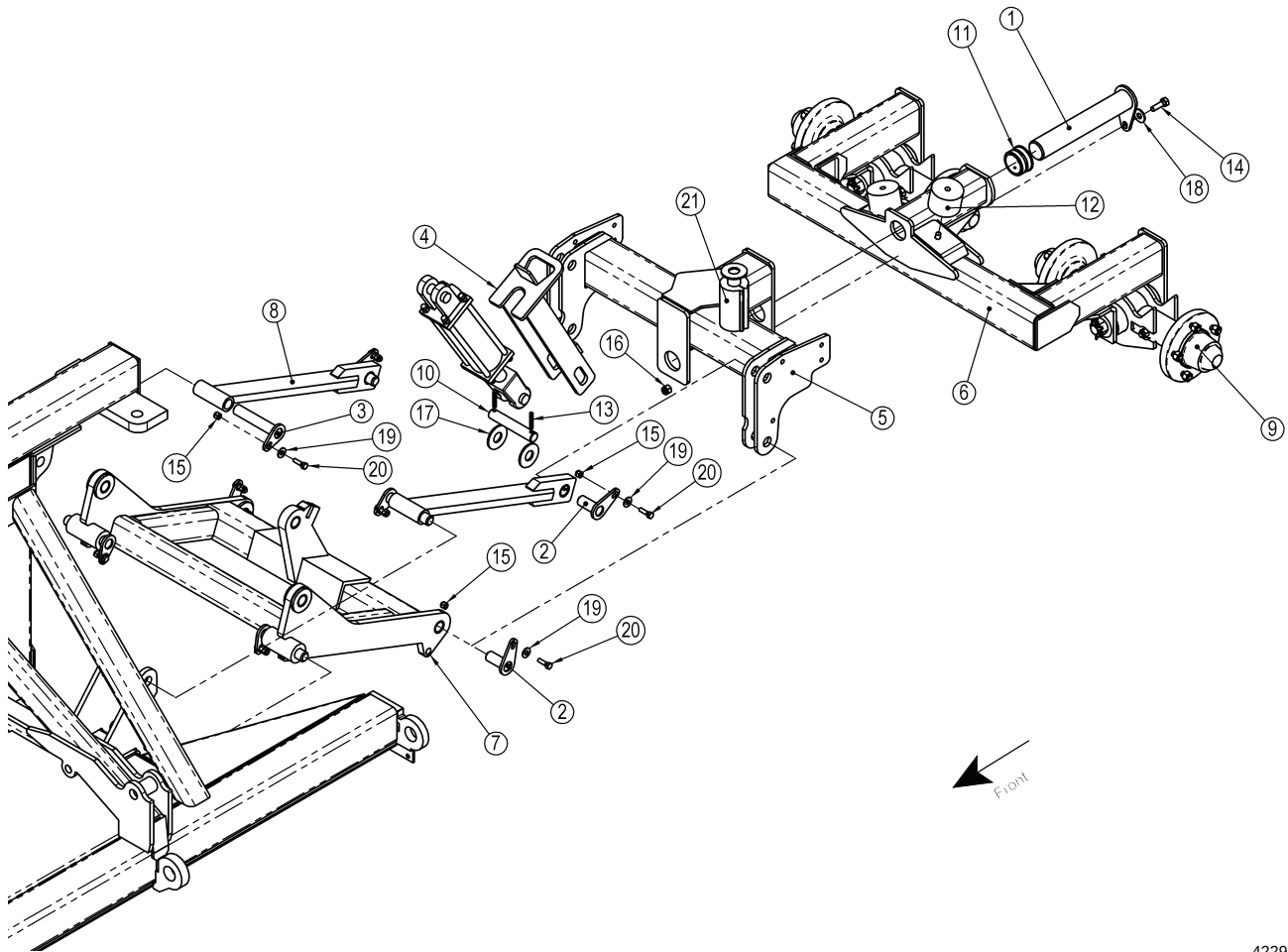
6.0 Front Wheel Mounting

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42238	PIN,1X5-3/8U,1-1/2C	2
2	42256	LIFT,PARALLEL ARM,RCH	1
3	42272	BEAM,FRNT CASTORS,RCH	1
4	42273	CASTOR,FRNT,RCH	2
5	42279	CLAMP,BEAM,RCH	2
6	42280	MNT,BEAM,RCH	2
7	42285	BRACE,BEAM,RCH	2
8	42290	ASSY,CASTOR WHEEL,RCH	2
9	E9093	WASHER,3-1/2X2-17/32X10GA	2
10	E9094	SLEEVE,HITCH,STOP	2
11	E9195	BUSHING,BRNZ,3x2-1/2	4
12	30207	ZERK,1/4-28,GF641,STRAIGHT	4
13	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	4
14	31039	BOLT,HEX,1X9,UNC,GR5,ZP	2
15	31044	BOLT,HEX,3/8X1-1/2,UNC,GR5,ZP	2
16	31172	NUT,NYLOCK,1,UNC,ZP	6
17	31173	NUT,NYLOCK,1/2,UNC,ZP	14
18	31176	NUT,NYLOCK,3/8,UNC,ZP	2
19	31331	BOLT,HEX,1/2X4,UNC,GR8,ZP	2
20	31351	WASHER,FLAT,3/8,ZP	2
21	33903	BOLT,HEX,1/2X5-1/2,UNC,GR5,ZP	8
22	42330	LINK ARM,PARALLEL,HC	2
23	31235	WASHER,FLAT,1,ZP	8

7.0 Rear Wheel Mounting

From Serial No: RCH0000018



7.0 Rear Wheel Mounting

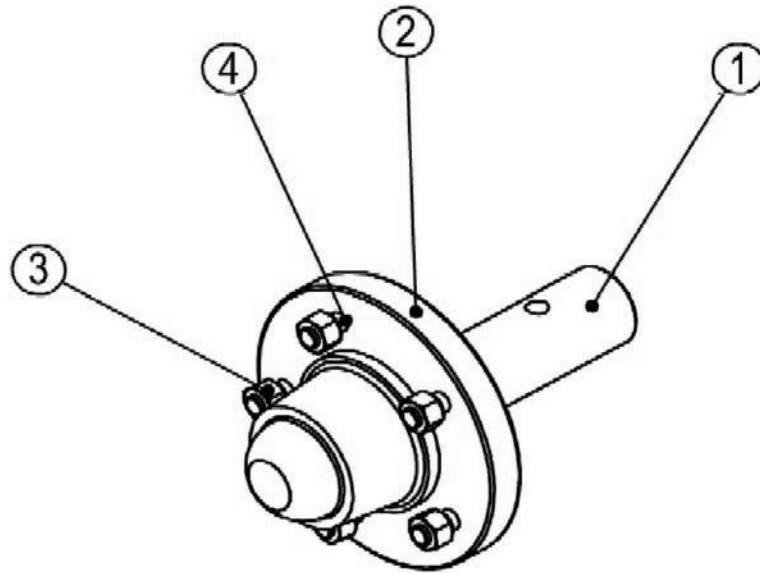
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42236	PIN,2X12U,3C	1
2	42237	PIN,1X2-1/4U,2-1/4C	4
3	42238	PIN,1X5-3/8U,1-1/2C	4
4	42255	LOCK,CYL TRANSPORT	1
5	42257	LIFT FRAME,REAR,RCH	1
6	42258	FRAME,SUSP,REAR	1
7	42261	LIFT,PARALLEL ARM,REAR,RCH	1
8	42263	LINK ARM,PARALLEL LIFT,RCH	2
9	42290	ASSY,CASTOR WHEEL,RCH	2
10	E9097	SHAFT,1X5-3/4,5/16HOLE	1
11	E9194	BUSHING,BRNZ,2-1/2x2	1
12	34080	RUBBER SANDWICH	2
13	32782	PIN,SPRING,5/16x1-3/4	2
14	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	1
15	31176	NUT,NYLOCK,3/8,UNC,ZP	8
16	31173	NUT,NYLOCK,1/2,UNC,ZP	1
17	31235	WASHER,FLAT,1,ZP	2
18	31236	WASHER,FLAT,1/2,ZP	1
19	31351	WASHER,FLAT,3/8,ZP	8
20	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	8
21	34250	STROKE CONTROL STOP	1

8.0 Hubs and Spindles

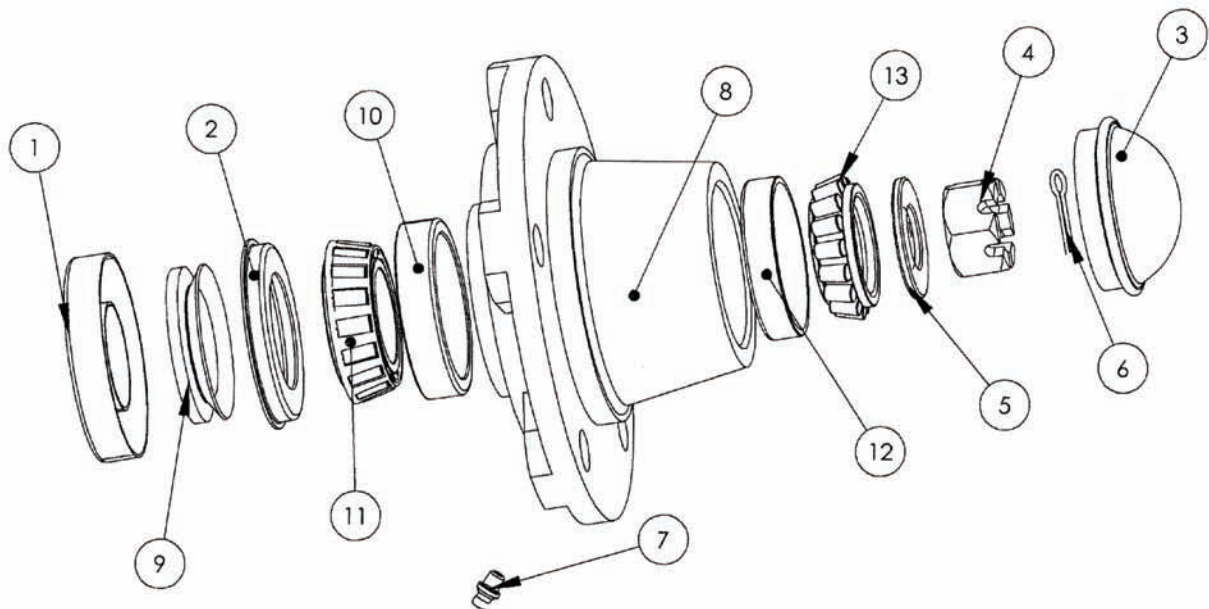
From Serial No: RCH0000018

Spindle and Hub



34061_A

Hub Parts



34398_B

8.0 Hubs and Spindles

From Serial No: RCH0000018

Spindle and Hub

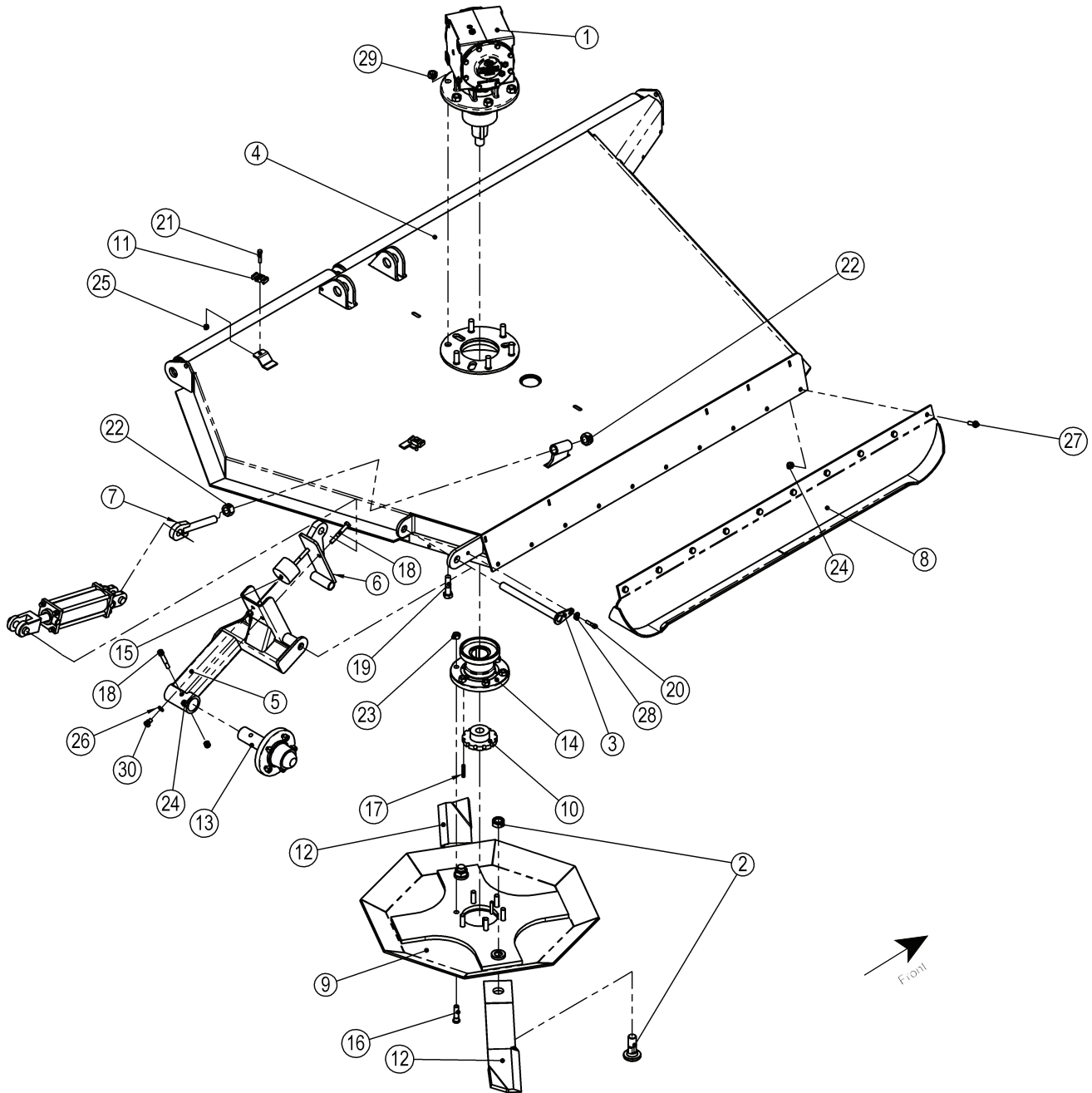
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E9119	SPINDLE, S517, 2 x 10, with Hole	1
2	34398	SUSP,HUB,S517,COMPLETE	1
3	34399	NUT,WHEEL,1/2,UNF,ZP	5
4	34711	BOLT,WHEEL,1/2X1-3/4,UNF,BLKO	5

Hub Parts

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	34705	GRASS WRAP GUARD	1
2	34706	SEAL COUNTERFACE	1
3	34707	DUST CAP	1
4	30372	NUT,CASTELLATED,7/8-14,UNF	1
5	34708	WASHER	1
6	34709	PIN,COTTER,1/8X1-1/2	1
7	30207	ZERK1/4-28,GF641,STRAIGHT	1
8	34710	SUSP,HUB,CAST	1
9	34712	V-SEAL	1
10	32299	BEARING CUP	1
11	32300	BEARING CONE	1
12	30232	BEARING CUP	1
13	30345	BEARING CONE	1

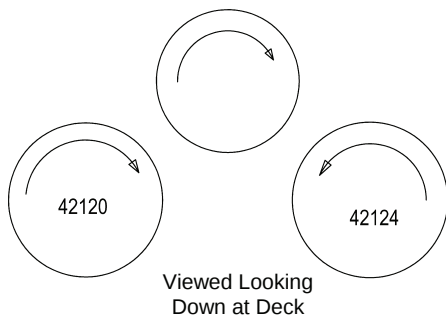
9.0 Right Hand Wing Assembly

From Serial No: RCH0000018



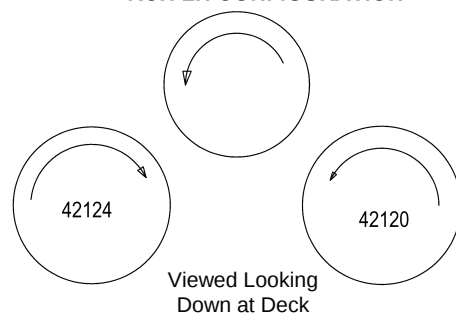
42293_E

RCH RH CONFIGURATION



Viewed Looking
Down at Deck

RCH LH CONFIGURATION



Viewed Looking
Down at Deck

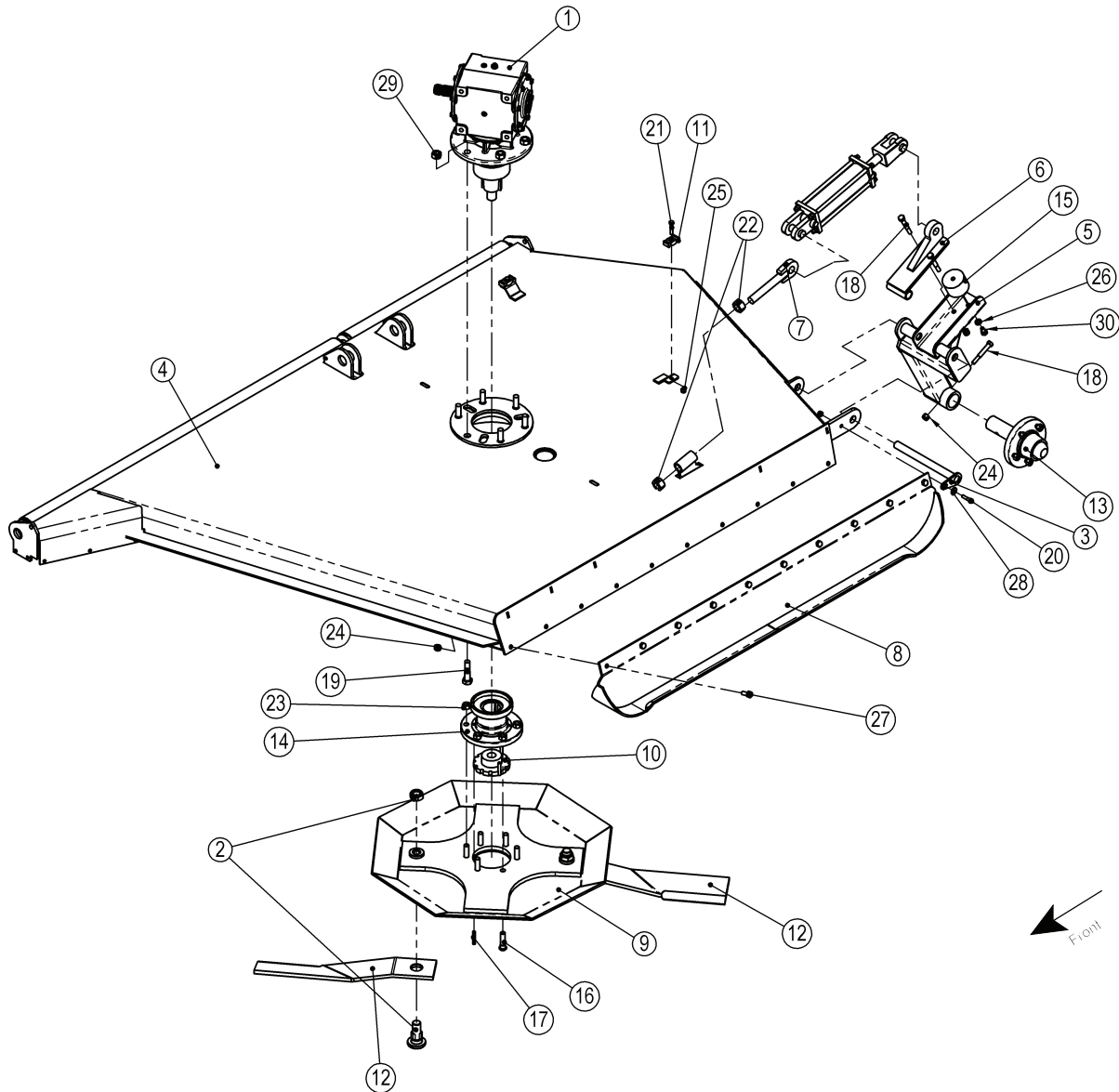
9.0 Right Hand Wing Assembly

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42124	DRV, GEARBOX, RH WING, RHMWR (DRV, GBOX, WING, CW IN, CW OUT)	1
2	42131	ASSY, FASTENER, BLADE	2
3	42229	PIN, 1X11-1/2U, 2-1/4C	1
4	42253	WING, RIGHT, RCH	1
5	42265	WHL MNT, RH, WING	1
6	42266	BRKT, SUSP WHL, WING	1
7	42267	EYEBOLT, WING CYL, RCH	1
8	42269	SKID PLT, RCH	1
9	42276	PAN, RCH	1
10	42277	PAN LOCK, GBOX, RCH	1
11	30210	HYD, CLAMP, HOSE, 1/2	2
12	34059	BLADE, MOWER, CCW, 1/2X4X24-3/4	2
13	34061	HUB & SPINDLE ASSY, 517, 10X2	1
14	34079	HUB, BLADE MNT, MOWER	1
15	34080	RUBBER SANDWICH	1
16	34141	BOLT, WHEEL, 5/8 x 2-1/2 UNF, PLAIN	6
17	34228	PIN, SPRING, 3/8x2	3
18	31023	BOLT, HEX, 1/2X3-1/2, UNC, GR5, ZP	3
19	31041	BOLT, HEX, 3/4X3, UNC, GR5, ZP	6
20	31044	BOLT, HEX, 3/8X1-1/2, UNC, GR5, ZP	1
21	31066	BOLT, HEX, 3/8X1-3/4, UNC, GR5, ZP	2
22	31162	NUT, HEX, 1, UNC, GR5, ZP	2
23	31170	NUT, STOVER, 5/8, UNF, GR5, ZP	6
24	31173	NUT, NYLOCK, 1/2, UNC, ZP	13
25	31176	NUT, NYLOCK, 3/8, UNC, ZP	3
26	31244	WASHER, LOCK, 1/2, ZP	1
27	31332	BOLT, HEX, 1/2X1-1/4, UNC, GR5, ZP	10
28	31351	WASHER, FLAT, 3/8, ZP	1
29	33234	NUT, STOVER, 3/4, UNC, GR5, ZP	6
30	34223	BOLT, HEX, 1/2X1-1/4, UNF, GR5, ZP	1

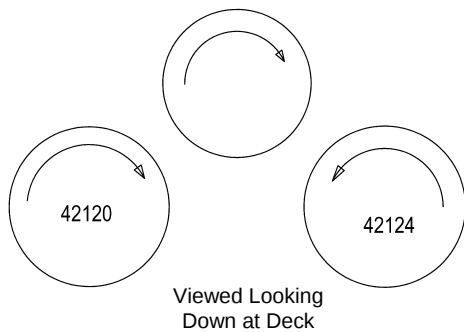
10.0 Left Hand Wing Assembly

From Serial No: RCH0000018

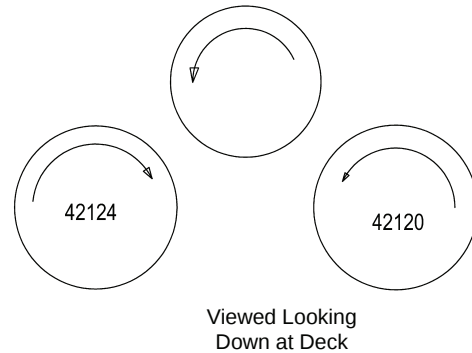


42292_F

RCH RH CONFIGURATION



RCH LH CONFIGURATION



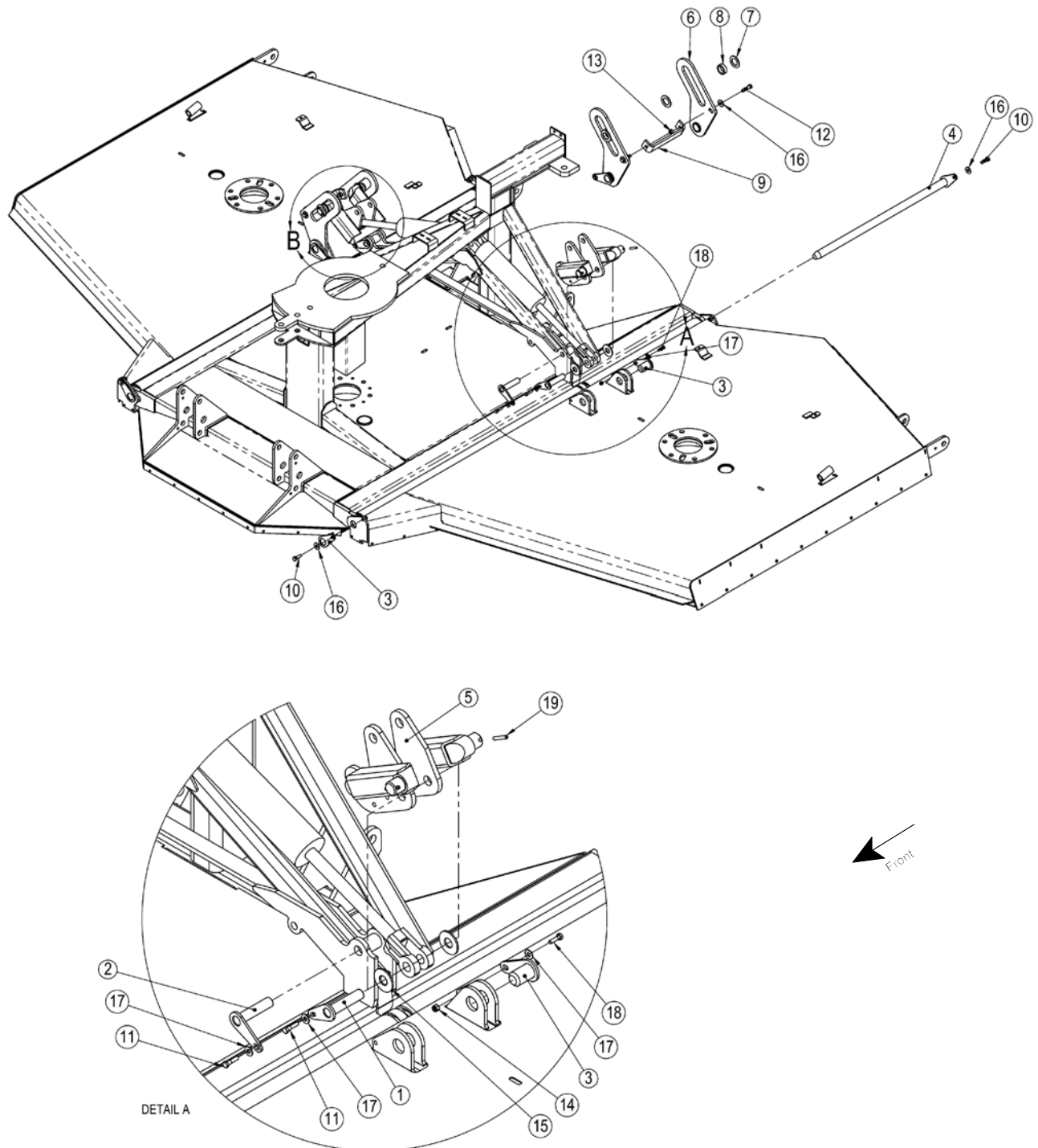
10.0 Left Hand Wing Assembly

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42120	DRV, GEARBOX, LH WING, RHMWR (DRV, GBOX, WING, CW IN, CCW OUT)	1
2	42131	ASSY, FASTENER, BLADE	2
3	42229	PIN, 1X11-1/2U, 2-1/4C	1
4	42252	WING, LEFT, RCH	1
5	42264	WHL MNT, LH, WING	1
6	42266	BRKT, SUSP WHL, WING	1
7	42267	EYEBOLT, WING CYL, RCH	1
8	42269	SKID PLT, RCH	1
9	42276	PAN, RCH	1
10	42277	PAN LOCK, GBOX, RCH	1
11	30210	HYD, CLAMP, HOSE, 1/2	2
12	34058	BLADE, MOWER, CW, 1/2X4X24-3/4	2
13	34061	HUB & SPINDLE ASSY, 517, 10X2	1
14	34079	HUB, BLADE MNT, MOWER	1
15	34080	RUBBER SANDWICH LORD J-5425-123	1
16	34141	BOLT, WHEEL, 5/8 x 2-1/2 UNF, PLAIN	6
17	34228	PIN, SPRING, 3/8x2	3
18	31023	BOLT, HEX, 1/2X3-1/2, UNC, GR5, ZP	3
19	31041	BOLT, HEX, 3/4X3, UNC, GR5, ZP	6
20	31044	BOLT, HEX, 3/8X1-1/2, UNC, GR5, ZP	1
21	31066	BOLT, HEX, 3/8X1-3/4, UNC, GR5, ZP	2
22	31162	NUT, HEX, 1, UNC, GR5, ZP	2
23	31170	NUT, STOVER, 5/8, UNF, GR5, ZP	6
24	31173	NUT, NYLOCK, 1/2, UNC, ZP	13
25	31176	NUT, NYLOCK, 3/8, UNC, ZP	3
26	31244	WASHER, LOCK, 1/2, ZP	1
27	31332	BOLT, HEX, 1/2X1-1/4, UNC, GR5, ZP	10
28	31351	WASHER, FLAT, 3/8, ZP	1
29	33234	NUT, STOVER, 3/4, UNC, GR5, ZP	6
30	34223	BOLT, HEX, 1/2X1-1/4, UNF, GR5, ZP	1

11.0 Wing Lift Assembly

From Serial No: RCH0000018



Parts Information - RCH™ Mower

Page 2 of 2

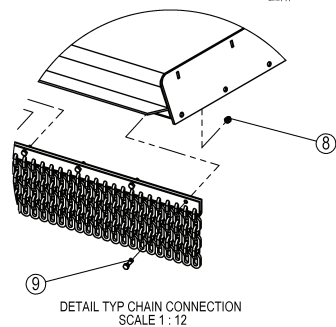
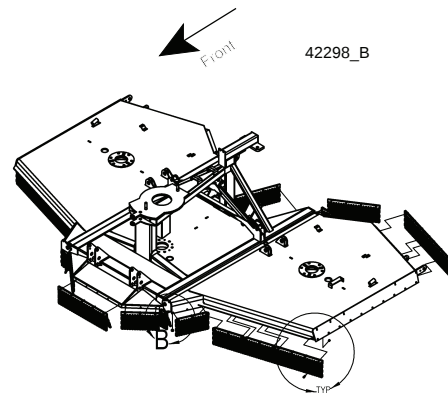
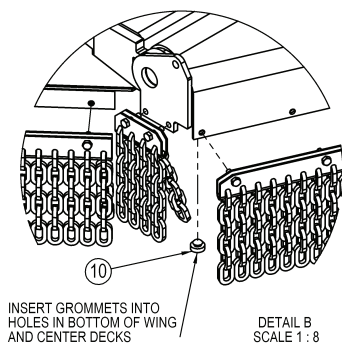
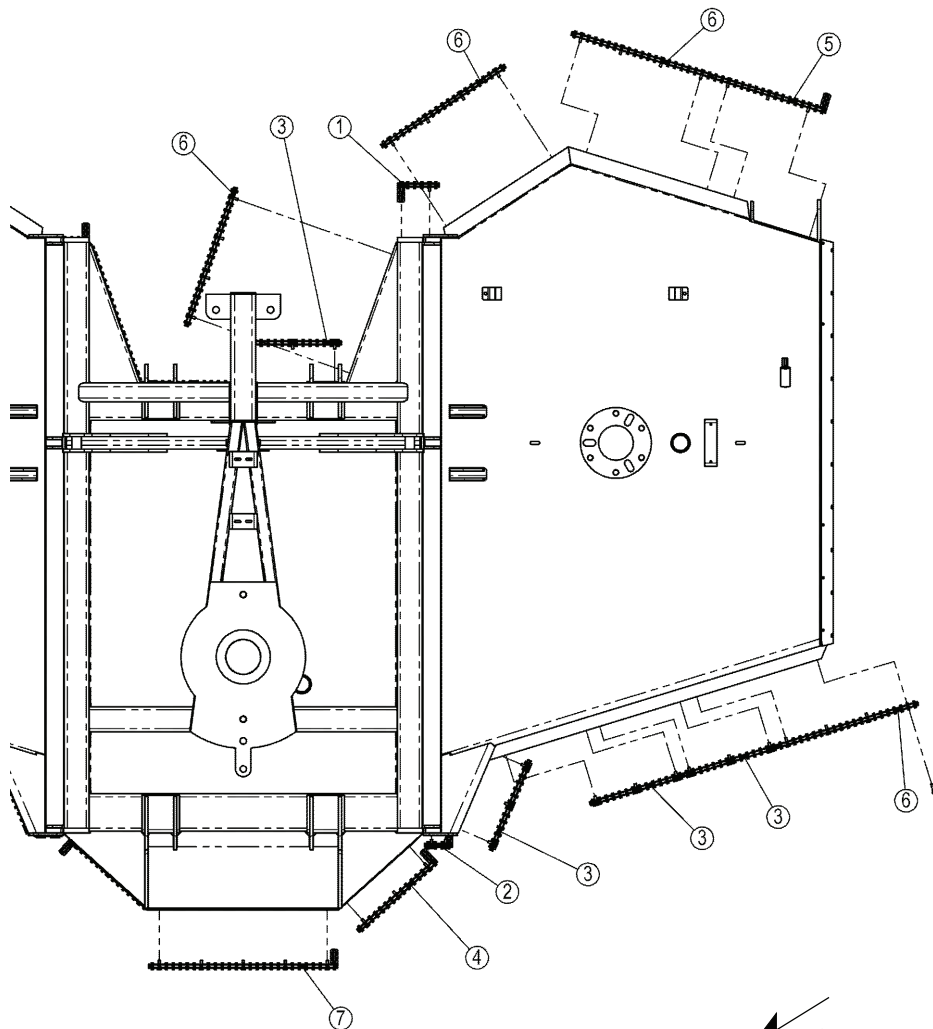
11.0 Wing Lift Assembly

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42232	PIN,1X4-5/16,2-1/4C	2
2	42130	PIN,1X4-3/8U,3-1/4C	2
3	42234	PIN,1-1/2X2U,3-1/2C	6
4	42243	PIN,LG,WING PIVOT,RCH	2
5	42270	ROTATOR ARM,WING,RCH	2
6	45393	PIVOT,WING,RCH	4
7	E9103	BUSHING,MACH,1.53X2-1/2X10GA	7
8	E9163	PIPE,SMLS,2X.240X5/8L	4
9	E9164	PLT,BRACE,WING PIVOT	2
10	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	4
11	31044	BOLT,HEX,3/8X1-1/2,UNC,GR5,ZP	4
12	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	4
13	31173	NUT,NYLOCK,1/2,UNC,ZP	8
14	31176	NUT,NYLOCK,3/8,UNC,ZP	8
15	31235	WASHER,FLAT,1,ZP	4
16	31236	WASHER,FLAT,1/2,ZP	8
17	31351	WASHER,FLAT,3/8,ZP	8
18	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	4
19	33598	PIN,SPRING,5/16x2	4

12.0 Chain Guards

From Serial No: RCH0000018



12.0 Chain Guards

From Serial No: RCH0000018

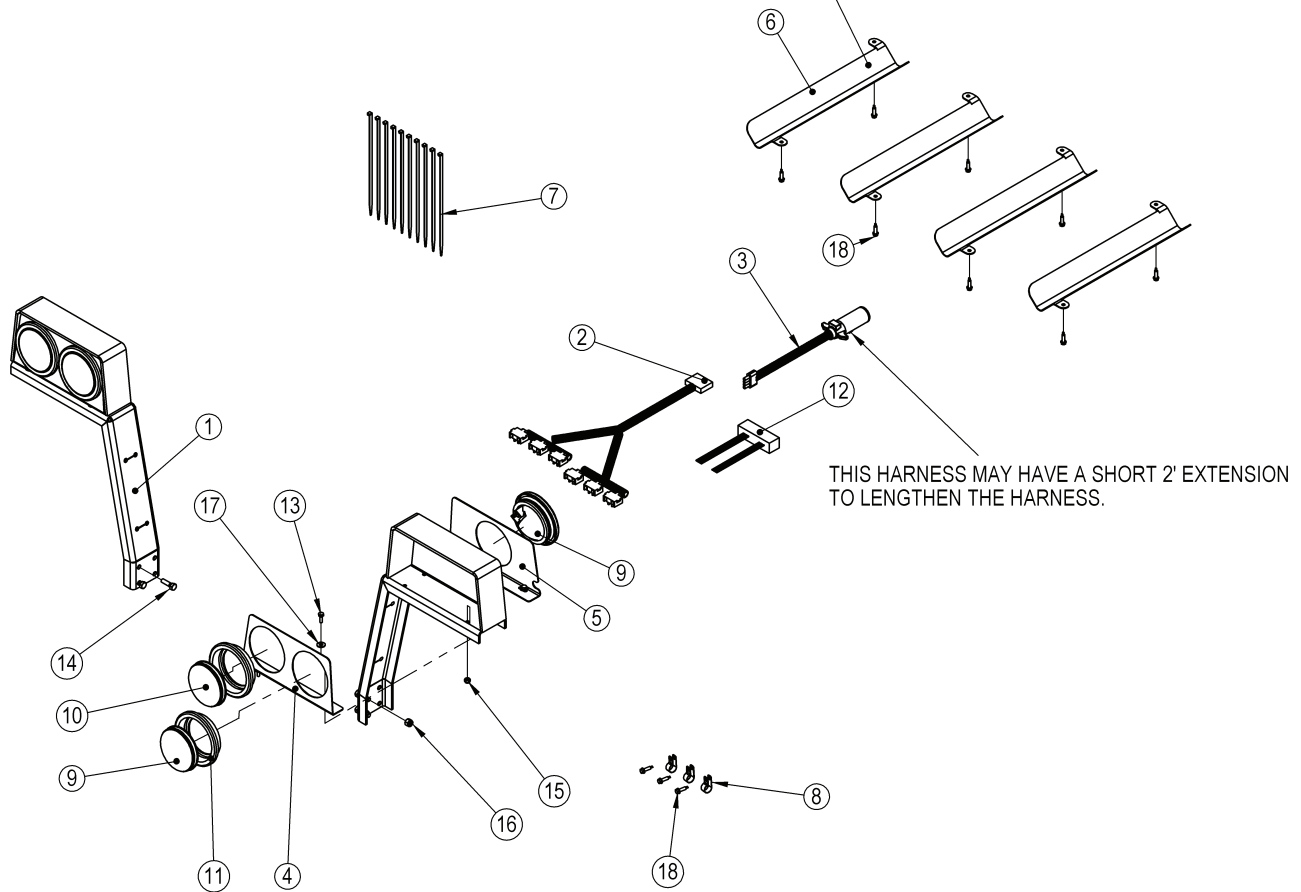
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42244	ASSY,CHAIN,2HL LG,RCH	2
2	42245	ASSY,CHAIN,2HL SM,RCH	2
3	42246	ASSY,CHAIN,3HL SM,RCH	8
4	42247	ASSY,CHAIN,3HL MD,RCH	2
5	42248	ASSY,CHAIN,3HL LG,RCH	2
6	42249	ASSY,CHAIN,4HL,RCH	8
7	42250	ASSY,CHAIN,5HL,RCH	1
8	31176	NUT,NYLOCK,3/8,UNC,ZP	81
9	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	81
10	34718	GROMMET,1"ODX1/2"STEM	8

13.0 Light Kit Assembly

From Serial No: RCH0000018

ATTACH THE SHORT LEADS ON THE
WIRING HARNESS TO THE RED LIGHTS.

INSTALL UNDER
HITCH ON RCH



42307_C



13.0 Light Kit Assembly

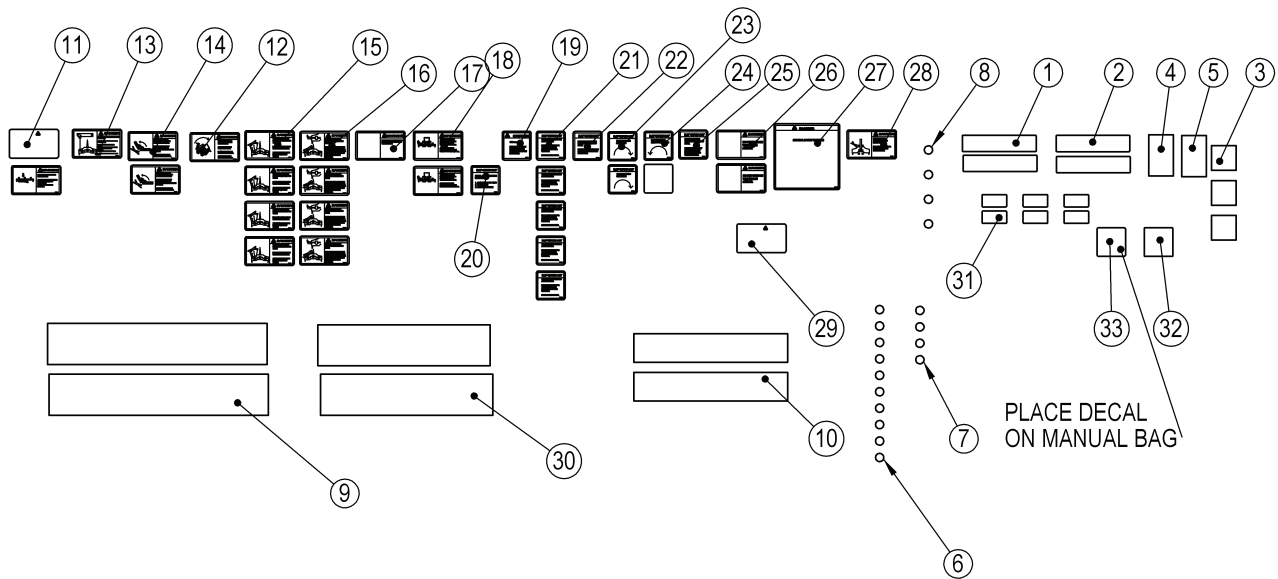
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42308	BRACKET,LIGHT,RCH	2
2	42353	ASSY,ELEC,HARN,REAR,MOWER	1
3	49985	ASSY,HARNESS,FRONT,ELEC,RCH	1
4	E7743	MOUNT,LIGHT,GROMMET,X2	2
5	E7744	MOUNT,LIGHT,GROMMET,X1	2
6	E9263	ANGLE,ROUTE,HOSE	4
7	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	10
8	31650	ELEC,CLAMP,CABLE,3/4	3
9	31951	ELEC_LIGHT,AMBER,4DIA,S/T/T	4
10	31952	ELEC_LIGHT,RED,4DIA,S/T/T	2
11	31953	GROMMET,LIGHT,4X4-1/2	6
12	33929	ELEC,MODULE,AG,HL PUR	1
13	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	8
14	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	4
15	31174	NUT,NYLOCK,1/4,UNC,ZP	8
16	31176	NUT,NYLOCK,3/8,UNC,ZP	4
17	31237	WASHER,FLAT,1/4,ZP	8
18	30294	SCREW,TEK,1/4X1	11

14.0 Decals

Page 1 of 2

From Serial No: RCH0000018



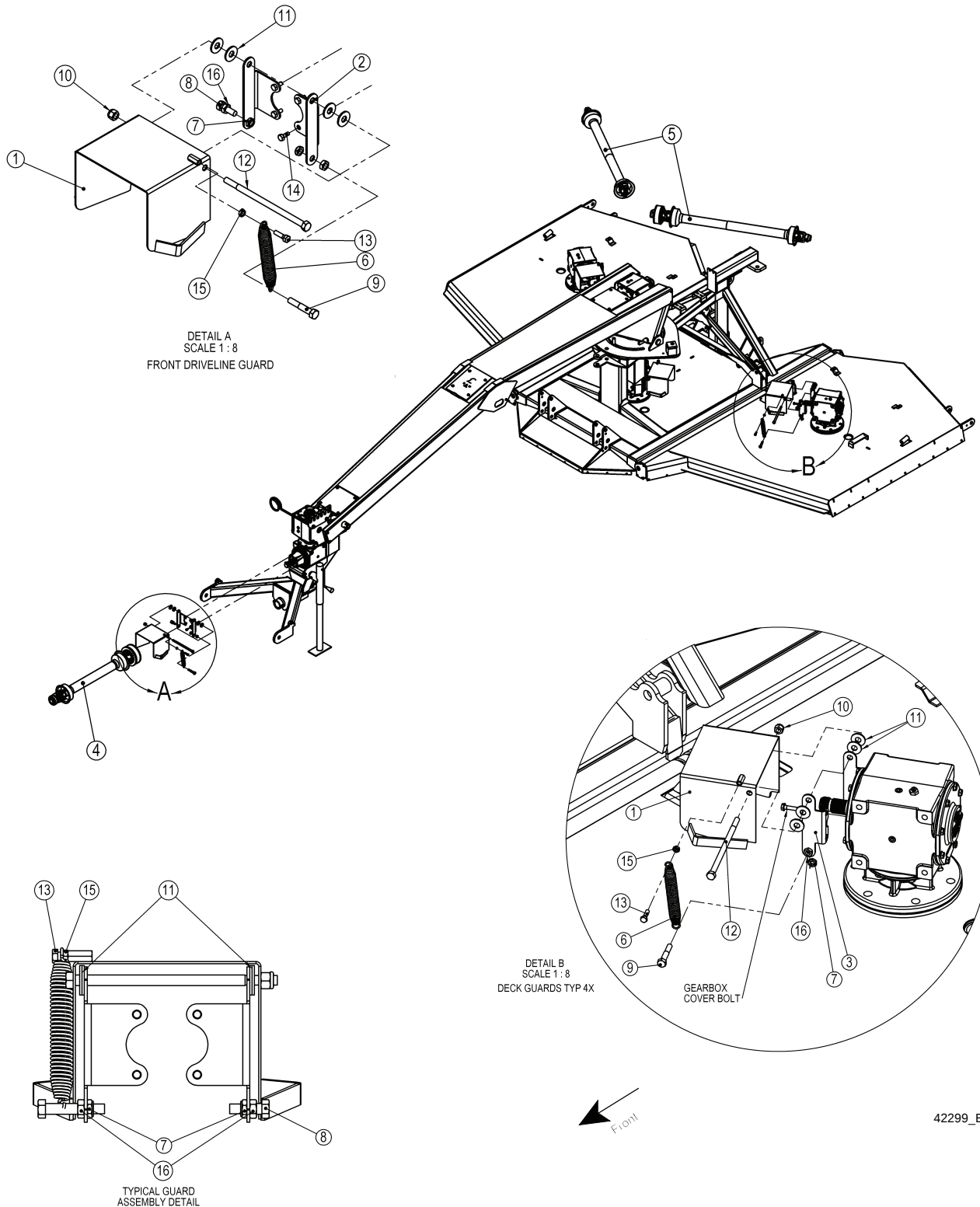
14.0 Decals

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30577	DECAL,RED REFL,2X9	2
2	30578	DECAL,AMBER REFL,2X9	2
3	E3834	DECAL,DANGER,DO NOT STAND	3
4	E7552	DECAL,WARNING,OWNERS_MANUAL	1
5	E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	1
6	E8497	DECAL,GREASEZERK,100H	10
7	E8590	DECAL,GREASEZERK,50H	4
8	E8591	DECAL,GREASEZERK,10H	4
9	E8793	DECAL,HL,5X26-3/4,SWOOSH	2
10	E8884	DECAL,HL,3.5X18.75,SWOOSH	2
11	E9000	DECAL,WARNING,CRUSH HAZARD	2
12	E9001	DECAL,WARNING,ROLLOVER HAZARD	1
13	E9002	DECAL,DANGER, DAMAGED BLADES	1
14	E9003	DECAL,DANGER, WING FALLING	2
15	E9004	DECAL,DANGER, THROWN OBJECTD	4
16	E9005	DECAL,DANGER, ROTATING BLADES	4
17	E9006	DECAL,WARNING,ESCAPING FLUID	1
18	E9007	DECAL,WARNING,CLEAN DECK	2
19	E9009	DECAL,CAUTION, 1000 RPM	1
20	E9010	DECAL,IMPORTANT, INSTALL LOCKS	1
21	E9011	DECAL,IMPORTANT, GEARBOX LEVEL	5
22	E9012	DECAL,IMPORTANT, SLIP CLUTCH	1
23	E9013	DECAL,IMPORTANT, CLOCKWISE	2
24	E9014	DECAL,IMPORTANT, COUNTER CLOCKWISE	2
25	E9015	DECAL,IMPORTANT, USE HIGHLINE PARTS	1
26	E9016	DECAL,DANGER,SHIELD MISSING	2
27	E9017	DECAL,DANGER,GENERAL SAFETY	1
28	E9018	DECAL,DANGER, SWINGING HITCH	1
29	E9112	DECAL,DANGER, DO NOT SWING	1
30	E9193	DECAL,RCH,5X21,SWOOSH	2
31	E9216	DECAL,DO NOT OPERATE	6
32	E9226	DECAL,PATENT,PENDING	1
33	E9514	DECAL,IMPORTANT,RUN_IN	1

15.0 Driveline and Guards

From Serial No: RCH0000018



15.0 Driveline and Guards

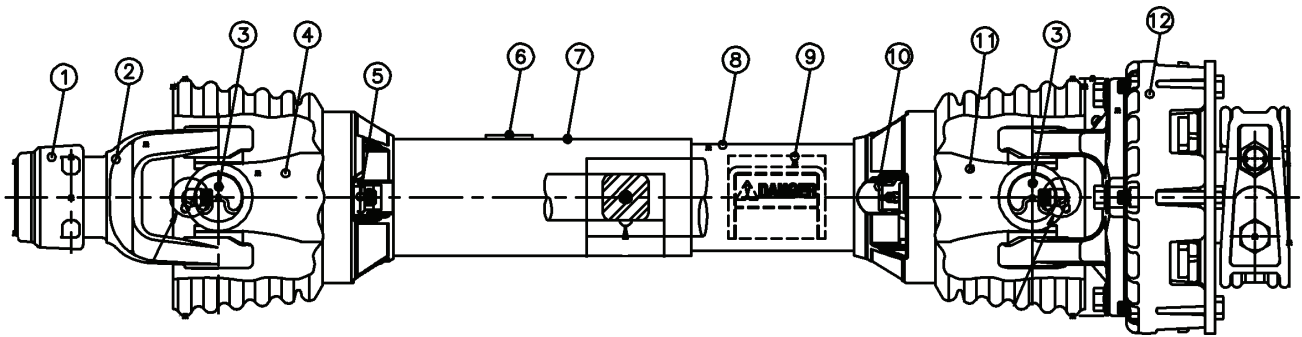
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42275	GUARD,PTO,RCH	5
2	E8835	TAB,SHIELD,FRONT PTO	2
3	E8836	TAB,SHIELD,SPLITTER_WING	8
4	34083	DRV,35E,CAT4,CLUTCH13500	1
5	34087	DRV,DL,WING,35E,CLUTCH,8100	2
6	34358	SPRING,EXT,C-261	5
7	30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	10
8	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	5
9	31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	5
10	31173	NUT,NYLOCK,1/2,UNC,ZP	5
11	31236	WASHER,FLAT,1/2,ZP	20
12	31329	BOLT,HEX,1/2X9-1/2,UNC,GR5,ZP	5
13	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	5
14	31533	BOLT,HEX,5/16X3/4,UNC,GR5,ZP	4
15	31768	NUT,HEX,JAM,3/8,UNC,GR5,ZP	5
16	33323	NUT,HEX,JAM,1/2,UNC,GR5,ZP	10

16.0 Hitch Driveline

Page 1 of 2

From Serial No: RCH0000018



34083_A

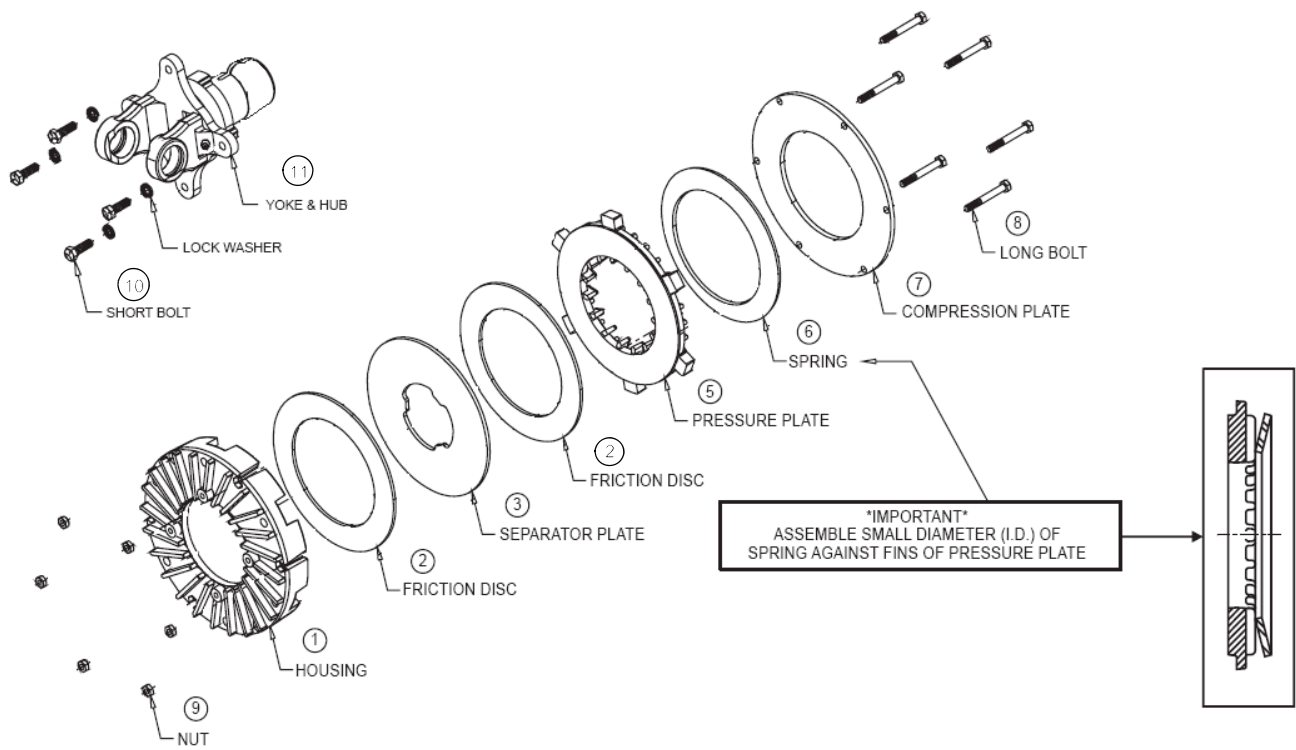
16.0 Hitch Driveline

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30352	DRV,PTO,KIT,REPAIR,AUTO LOK	1
2	34270	SAFETY SLIDE LOCK YOKE. ASM~A	1
3	30365	35E CROSS AND BEARING KIT~B	2
4	34268	YOKE & SHAFT(1.19 SQU)~A	1
5	34271	GUARD REPAIR KIT~A	2
6	30359	SIGN,SAFETY	1
7		OUTER GUARD	N/A
8		INNER GUARD	N/A
9	30363	DRV,DL,SIGN,SAFETY	1
10	34364	GUARD REPAIR KIT~A	N/S
11		YOKE, TUBE AND SLIP SLEEVE~A	N/S
12	33990	NFM FRICTION CLUTCHCAT413500~B	1
	33992	GUARD SET~A	1
	33998	J&S HALF ASM WGUARD~A	1
	33995	J&S HALF ASM WGUARD~A	1

17.0 Hitch Clutch

From Serial No: RCH0000018



17.0 Hitch Clutch

Page 2 of 2

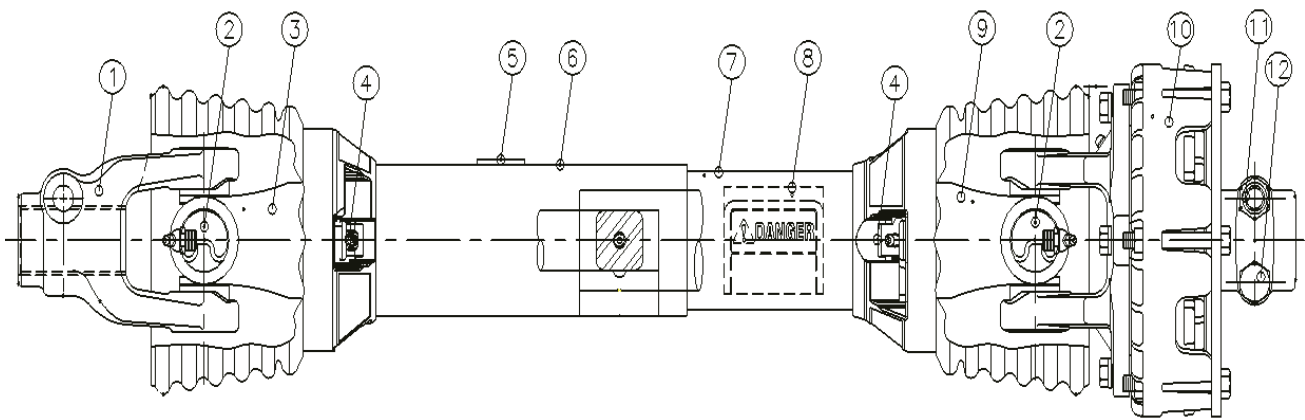
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	N/A	HOUSING	1
2	34376	FRICTION DISC	2
3	34377	SEPARATOR PLATE	1
5	34378	PRESSURE PLATE	1
6	34368	SPRING	1
7	34375	COMPRESSION PLATE	1
8	34521	BOLT,HEX,5/16X2-1/2,UNC,GR8,ZP	6
9	31347	NUT,HEX,5/16,UNC,ZP	6
10	34522	BOLT,M10X25,1.5,C10.9,ZP	4
11	34372	YOKE & FREE MOTION HUB	1
	34379	CLAMP	1
	34367	FRICTION PACK 15000 (Contains 2,3,5,6,7,8,9)	1

18.0 Wing Driveline

Page 1 of 2

From Serial No: RCH0000018



34087_A

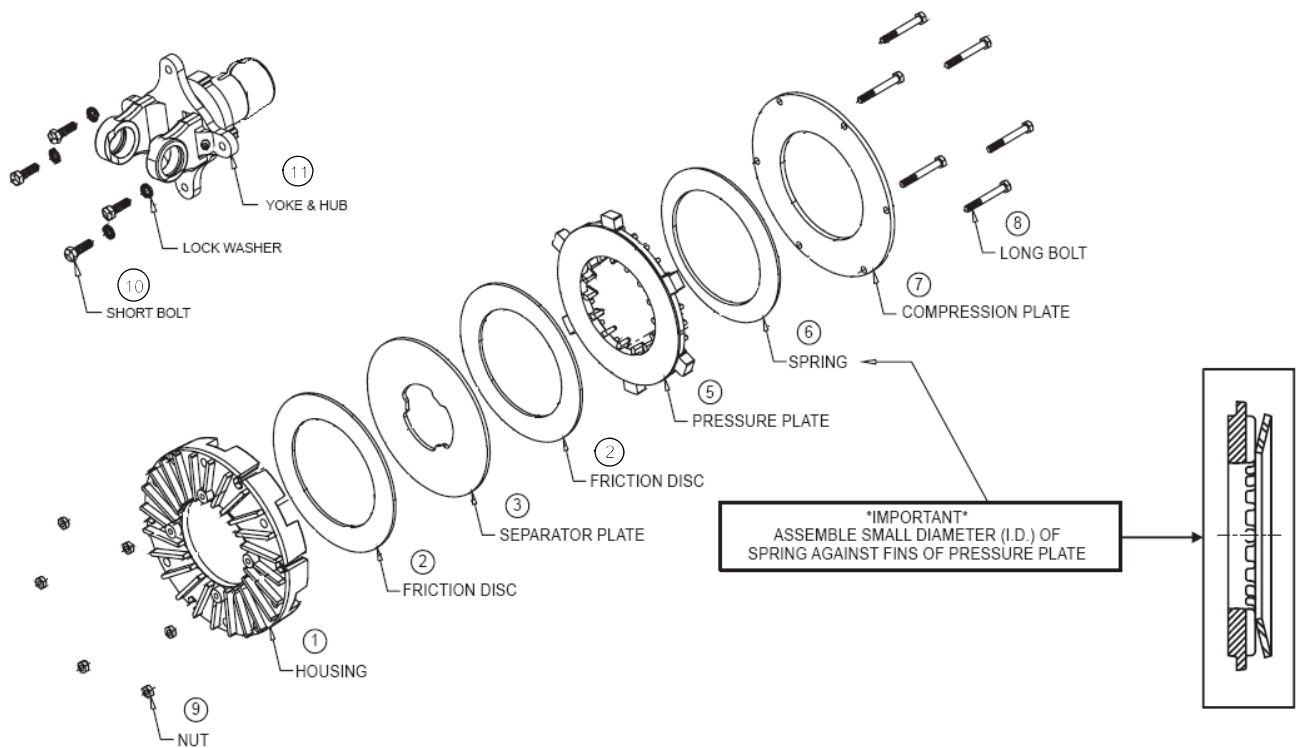
18.0 Wing Driveline

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30365	35E CROSS AND BEARING	2
1	34144	YOKE	1
2	30365	35E CROSS AND BEARING KIT~B	2
3	34268	YOKE & SHAFT(1.19 SQU)~A	1
4	34271	GUARD REPAIR KIT~A	2
5	30359	SIGN,SAFETY	1
6		OUTER GUARD	N/A
7		INNER GUARD	N/A
8	30363	DRV,DL,SIGN,SAFETY	1
9	34266	YOKE, TUBE AND SLIP SLEEVE~A	1
10	33991	NFM FRICTION CLUTCHCAT48100~B	1
11	31612	NUT,LOCK,1/2,UNC,ZP	2
12	31022	BOLT,HEX,1/2X3,UNC,GR8,ZP	2
	33992	GUARD SET~A	1
	33997	J&S HALF ASM WGUARD~A	1
	33994	J&S HALF ASM WGUARD~A	1

19.0 Wing Clutch

From Serial No: RCH0000018



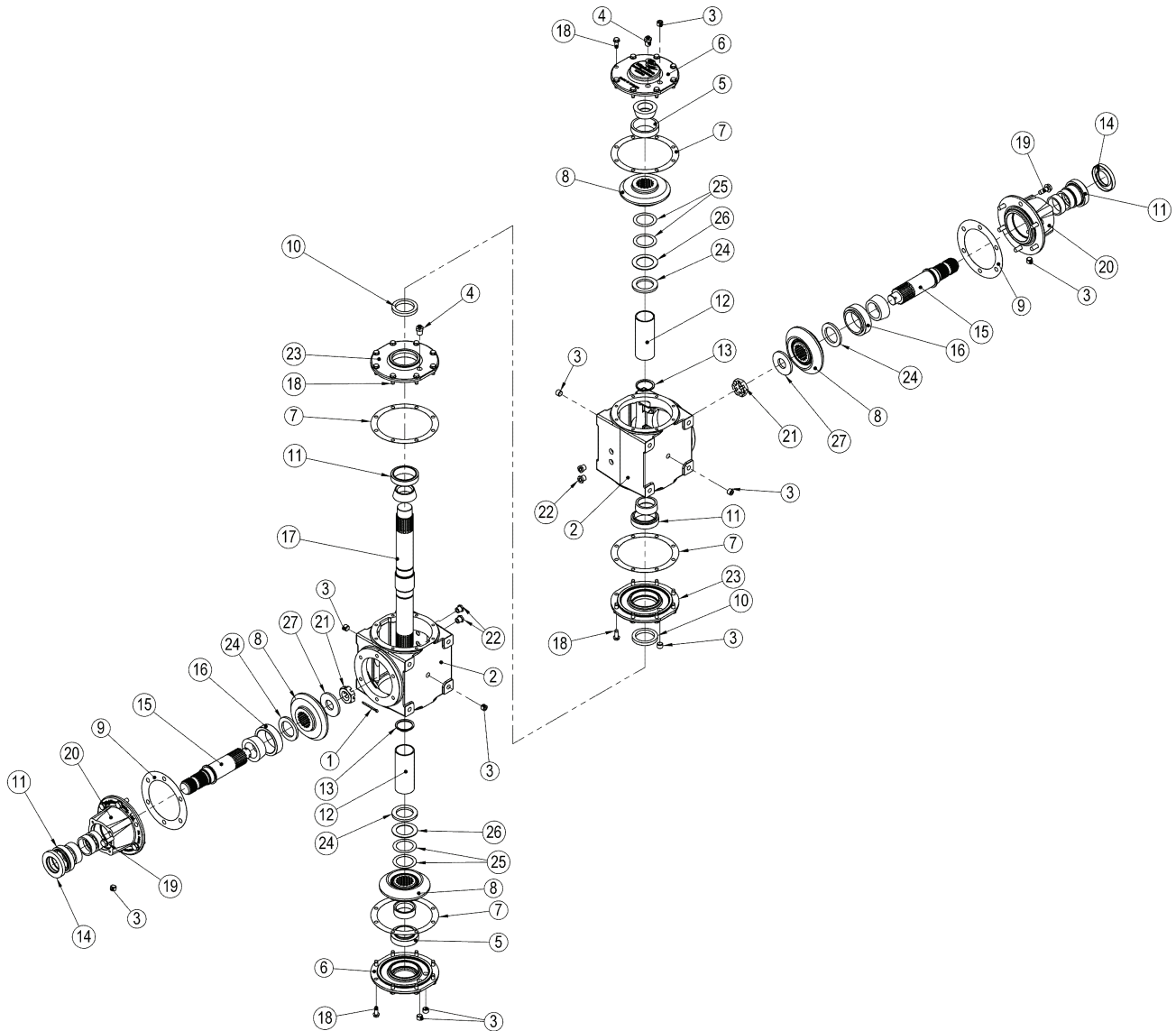
19.0 Wing Clutch

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	N/A	HOUSING	1
2	34376	FRICTION DISC	2
3	34377	SEPARATOR PLATE	1
5	34378	PRESSURE PLATE	1
6	34374	SPRING	1
7	34375	COMPRESSION PLATE	1
8	34521	BOLT,HEX,5/16X2-1/2,UNC,GR8,ZP	6
9	31347	NUT,HEX,5/16,UNC,ZP	6
10	34522	BOLT,M10X25,1.5,C10.9,ZP	4
11	34372	YOKE & FREE MOTION HUB	1
	34373	FRICTION PACK 9000 (Contains 2,3,5,6,7,8,9)	1

20.0 Swivel Gearbox

From Serial No: RCH0000018



42121_H

Parts Information - RCH™ Mower

Page 2 of 2

20.0 Swivel Gearbox

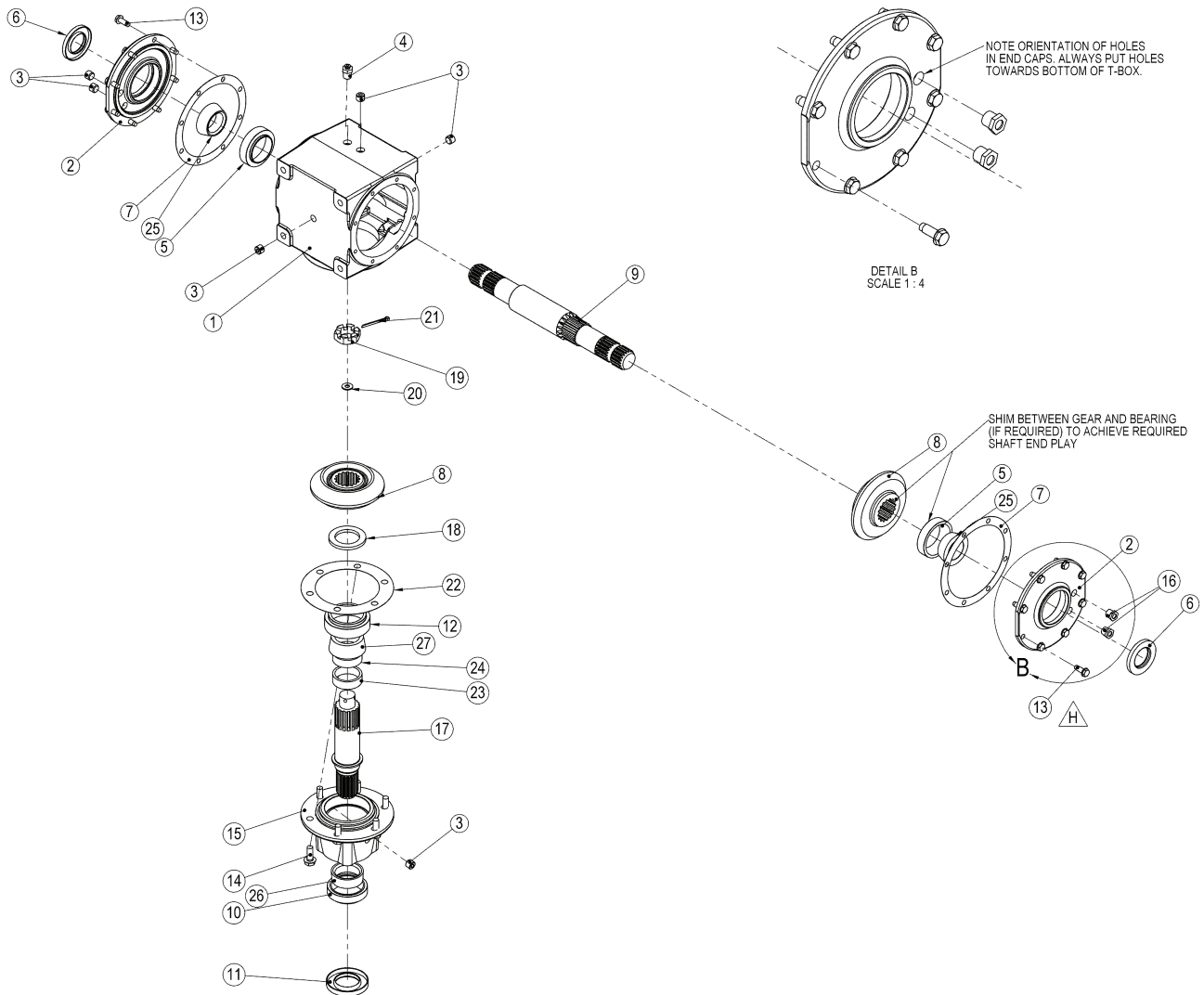
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31183	PIN,COTTER,3/16X2	2
2	34078	CASE, COMMON, MOWER	2
3	34120	HYD,FIT,PLUG, 3/8 NPT, HEX	10
4	34121	HYD,VENT,RELIEF	2
5	34921	BEARING, RACE, K25520	2
6	34156	CAP,END,GBOX,MACH	2
7	34157	GASKET - GEAR BOX, 8" x 6 HOLE	4
8	34169	GEAR, 22 TEETH x 2 SPLINE BORE	4
9	34190	GASKET, 7-1/2" x 6 HOLE	2
10	34882	SEAL, 22354	2
11	34925	DRV,BRG,RACE,LM104911	4
12	34202	SPACER,TUBE	2
13	34203	RING,RETAIN,HD,EXT,2	2
14	34205	SEAL CR 20124	2
15	34880	SHAFT,BRANCH,THREADED	2
16	34927	DRV,BRG,RACE,3730	2
17	34877	SHAFT,CONNECTION,MAIN	1
18	34390	BOLT,HEX,3/8X1,UNC,TC,WH	32
19	34222	BOLT,FLG,1/2X1-1/4,UNC,GR5,ZP	12
20	34232	DRV,GBOX,HUB,BEARING	2
21	34238	NUT,CASTLE,1-1/4,UNF,JAM	2
22	34239	HYD,FIT,SIGHT,6MP	4
23	34254	CAP,END,GBOX,SEAL,SWIVEL	2
24	34255	WASHER,1/4X3X2.015	4
25	34258	SHIM,2-3/4X2X.020	4
26	34355	BUSHING,MACH,2X3X14GA	2
27	34638	WASHER,1/4X3X1.266	2
28	E11455	SPACER,NOSE,LONG	2
29	E11456	SPACER,NOSE,SHORT	2
30	34926	DRV,BRG,TAPERED ROLLER, 3780	2
31	34924	DRV,BRG,TAPER, LM104949	4
32	34920	BEARING, TAPERED ROLLER K25580	2

21.0 T-Box Gearbox

Page 1 of 2

From Serial No: RCH0000018



42125_H

Parts Information - RCH™ Mower

Page 2 of 2

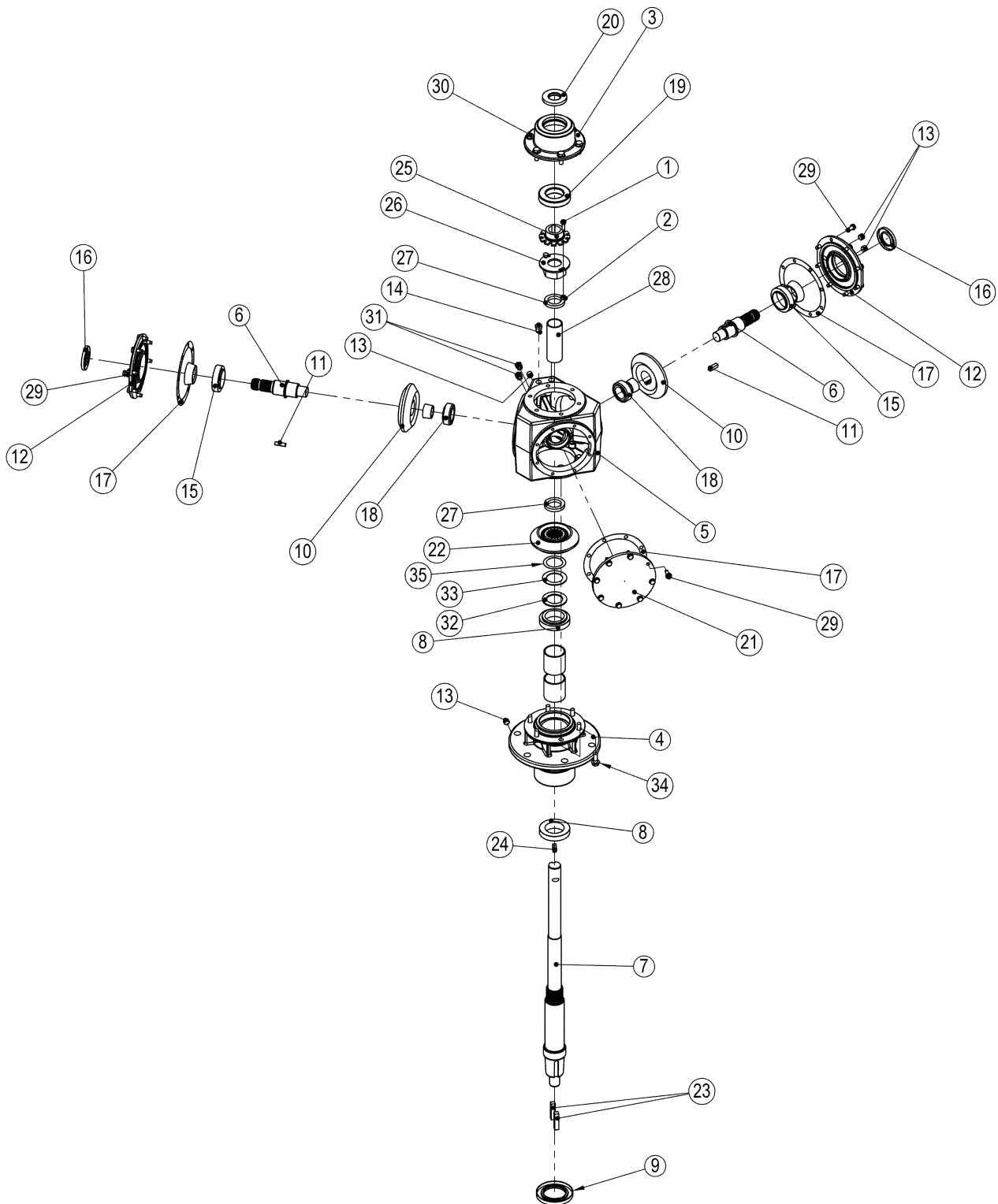
21.0 T-Box Gearbox

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	34078	CASE, COMMON, MOWER	1
2	34116	CAP,END,GBOX,SEAL HOLE	2
3	34120	HYD,FIT,PLUG, 3/8 NPT, HEX	6
4	34121	HYD,VENT,RELIEF	1
5	34921	BEARING, RACE, K25520	2
6	34151	SEAL CR 17699	2
7	34157	GASKET - GEAR BOX, 8" x 6 HOLE	2
8	34169	GEAR, 22 TEETH x 2 SPLINE BORE	2
9	34874	SHAFT,CROSS	1
10	34925	DRV,BRG,RACE,LM104911	1
11	34205	SEAL CR 20124	1
12	34927	DRV,BRG,RACE,3730	1
13	34390	BOLT,HEX,3/8X1,UNC,TC,WH	16
14	34222	BOLT,FLG,1/2X1-1/4,UNC,GR5,ZP	6
15	34232	DRV,GBOX,HUB,BEARING	1
16	34239	HYD,FIT,SIGHT,6MP	2
17	34876	SHAFT,BOTTOM,T-BOX,RCH	1
18	34255	WASHER,1/4X3X2.015	1
19	34238	NUT,CASTLE,1-1/4,UNF,JAM	1
20	31239	WASHER,FLAT,5/16,ZP	1
21	31183	PIN,COTTER,3/16X2	1
22	34190	GASKET, 7-1/2" x 6 HOLE	1
23	E11455	SPACER,NOSE,LONG	1
24	E11456	SPACER,NOSE,SHORT	1
25	34920	BEARING, TAPERED ROLLER K25580	2
26	34924	DRV,BRG,TAPER, LM104949	1
27	34926	DRV,BRG,TAPERED ROLLER, 3780	1

22.0 Splitter Gearbox

From Serial No: RCH0000018



Parts Information - RCH™ Mower

Page 2 of 2

22.0 Splitter Gearbox

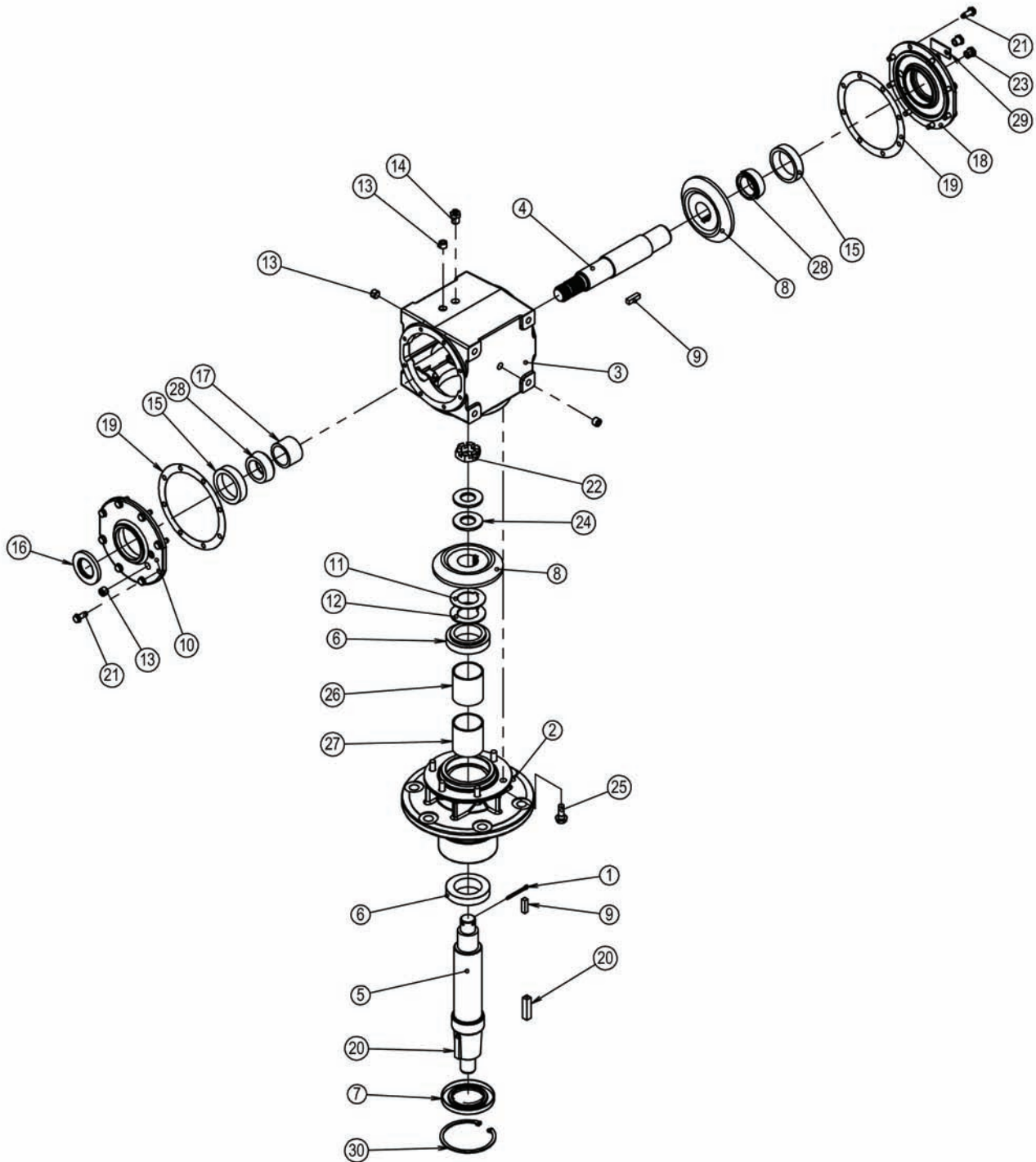
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	2
2	30368	NUT,STOVER,3/8,UNC,ZP	2
3	34070	HUB,UPPER,SPLITTER,MACH	1
4	34076	HUB, LOWER, MOWER	1
5	34077	CASE, SPLITTER, MOWER	1
6	34859	SHAFT, BRANCH	2
7	34878	SHAFT,MAIN,SPLITTER GBOX	1
8	34108	TAPERED ROLLER BEARING 32012	2
9	34984	SEAL,4.50DX2.75IDX.469,DL	1
10	E9937	GEAR, 22 TEETH x 1.75 BORE	2
11	34111	KEYSTOCK,3/8X1-5/16	2
12	34116	CAP,END,GBOX,SEAL HOLE	2
13	34120	HYD,FIT,PLUG, 3/8 NPT, HEX	7
14	34121	HYD,VENT,RELIEF	1
15	34921	BEARING, RACE, K25520	2
16	34151	SEAL CR 17699	2
17	34157	GASKET - GEAR BOX, 8" x 6 HOLE	3
18	34919	RACE, TAPERED ROLLER, K-2520	2
19	34163	BEARING 6211	1
20	34165	SEAL CR 15241	1
21	34167	PLATE,COVER	1
22	34169	GEAR, 22 TEETH x 2 SPLINE BORE	1
23	34171	KEYSTOCK,1/2X2-3/8	2
24	34172	KEYSTOCK, 3/8 x 1	1
25	34173	SLEEVE,LOCK,TURRET	1
26	34176	NUT,ADJUSTMENT,BEARING	1
27	34179	WASHER,3/8X2-1/2X1.665	2
28	34180	SPACER,SLEEVE	1
29	34390	BOLT,HEX,3/8X1,UNC,TC,WH	24
30	34222	BOLT,FLG,1/2X1-1/4,UNC,GR5,ZP	6
31	34239	HYD,FIT,SIGHT,6MP	2
32	34354	BUSHING,MACH,2X3X10GA	1
33	34355	BUSHING,MACH,2X3X14GA	1
34	34635	BOLT,FLG,SH,1/2X1-1/4,UNC,5,ZP	6
35	34258	SHIM,2-3/4X2X.020	1
36	E11453	SPACER,LOWER HUB,LONG	1
37	E11454	SPACER,LOWER HUB,SHORT	1
38	34918	BEARING, TAPERED ROLLER, K-2580,	2
39	34920	BEARING, TAPERED ROLLER K25580	2

23.0 Left Hand Wing Gearbox - Right Hand Mower
CW In, CCW Out

Page 1 of 2

From Serial No: RCH0000018



23.0 Left Hand Wing Gearbox - Right Hand Mower

CW In, CCW Out

Page 2 of 2

From Serial No: RCH0000018

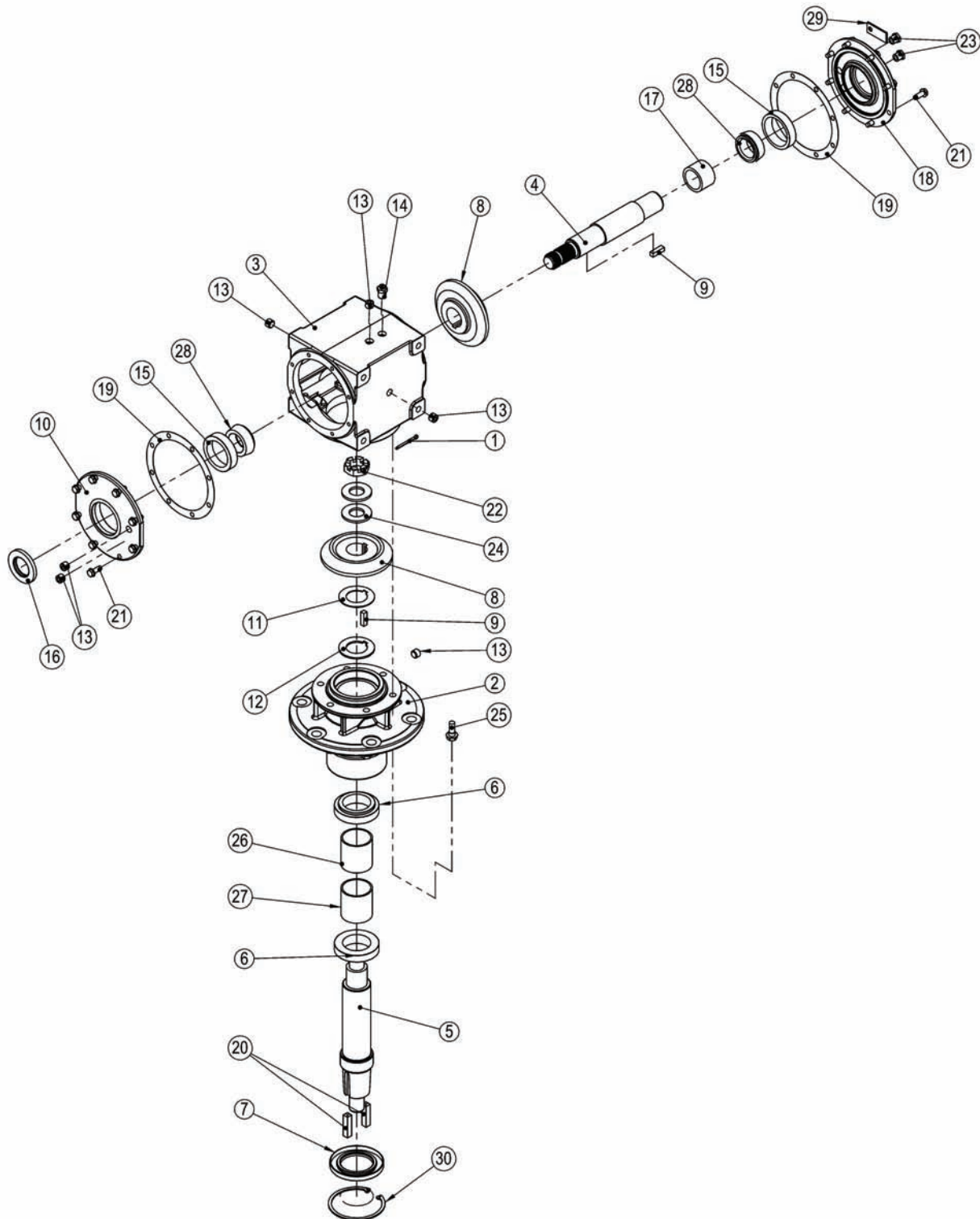
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31183	PIN,COTTER,3/16X2	1
2	34076	HUB,LOWER,MOWER	1
3	34078	CASE,COMMON,MOWER	1
4	34875	SHAFT,CROSS	1
5	34879	SHAFT,OUTPUT,WING GBOX	1
6	34108	TAPERED ROLLER BEARING 32012	2
7	34984	SEAL,4.5ODX2.75IDX.469,DL	1
8	34110	GEAR,22 TEETH x 1.75 BORE	2
9	34111	KEYSTOCK,3/8X1-5/16	2
10	34116	CAP,END,GBOX,SEAL HOLE	1
11	34118	SHIM,3X1-25/32X14 GA,KEYED	1
12	34119	SHIM,3X1-25/32X10 GA,KEYED	1
13	34120	HYD,FIT,PLUG 3/8,NPT,HEX	6
14	34121	HYD,VENT,RELIEF	1
15	34921	BEARING,RACE,K25520	2
16	34151	SEAL CR 17699	1
17	34155	SLEEVE,SPACER	1
18	34156	CAP,END,GBOX,MACH	1
19	34157	GASKET -GEAR BOX,8"x 6 HOLE	2
20	34171	KEYSTOCK,1/2X2-3/8	2
21	34390	BOLT,HEX,3/8X1,UNC,TC,WH	16
22	34238	NUT,CASTLE,1-1/4,UNF,JAM	1
23	34239	HYD,FIT,SIGHT,6MP	2
24	34986	WASHER,HDN,1.27X2.5X.188,C1045	2
25	34635	BOLT,FLG,SH,1/2X1-1/4,UNC,5,ZP	6
26	E11453	SPACER,LOWER HUB,	1
27	E11454	SPACER,LOWER HUB,SHORT	1
28	34920	BEARING,TAPERED ROLLER K25580	2
29	E11619	ALUM,GBOX,TAG	1
30	35140	RING,RETAINING,4-1/2,INTERNAL	1

24.0 Right Hand Wing Gearbox - Right Hand Mower

CW In, CW Out

Page 1 of 2

From Serial No: RCH0000018



24.0 Right Hand Wing Gearbox - Right Hand Mower

CW In, CW Out

Page 2 of 2

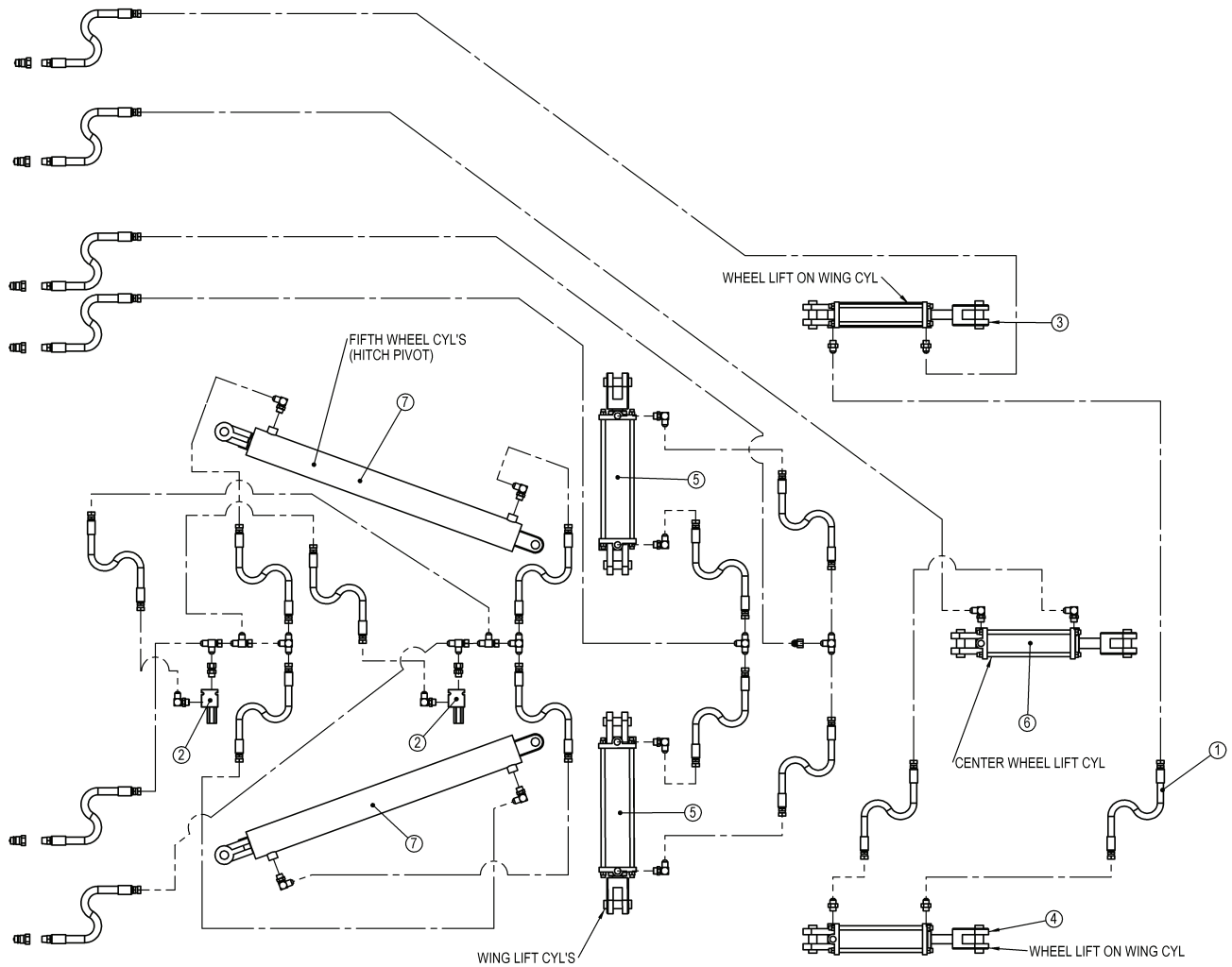
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31183	PIN,COTTER,3/16X2	1
2	34076	HUB,LOWER,MOWER	1
3	34078	CASE,COMMON,MOWER	1
4	34875	SHAFT,CROSS	1
5	34879	SHAFT,OUTPUT,WING GBOX	1
6	34108	TAPERED ROLLER BEARING 32012	2
7	34984	SEAL,4.5ODX2.75IDX.469,DL	1
8	34110	GEAR,22 TEETH x 1.75 BORE	2
9	34111	KEYSTOCK,3/8X1-5/16	2
10	34116	CAP,END,GBOX,SEAL HOLE	1
11	34118	SHIM,3X1-25/32X14 GA,KEYED	1
12	34119	SHIM,3X1-25/32X10 GA,KEYED	1
13	34120	HYD,FIT,PLUG,3/8 NPT,HEX	6
14	34121	HYD,VENT,RELIEF	1
15	34921	BEARING,RACE,K25520	2
16	34151	SEAL CR 17699	1
17	34155	SLEEVE,SPACER	1
18	34156	CAP,END,GBOX,MACH	1
19	34157	GASKET -GEAR BOX,8"x 6 HOLE	2
20	34171	KEYSTOCK,1/2X2-3/8	2
21	34390	BOLT,HEX,3/8X1,UNC,TC,WH	16
22	34238	NUT,CASTLE,1-1/4,UNF,JAM	1
23	34239	HYD,FIT,SIGHT,6MP	2
24	34986	WASHER,HDN,1.27X2.5X.188,C1045	2
25	34635	BOLT,FLG,SH,1/2X1-1/4,UNC,5,ZP	6
26	E11453	SPACER,LOWER HUB,	1
27	E11454	SPACER,LOWER HUB,SHORT	1
28	34920	BEARING,TAPERED ROLLER K25580	2
29	E11619	ALUM,GBOX,TAG	1
30	35140	RING,RETAINING,4-1/2,INTERNAL	1

25.0 Hydraulic Cylinders

Page 1 of 2

From Serial No: RCH0000018



42129_C

25.0 Hydraulic Cylinders

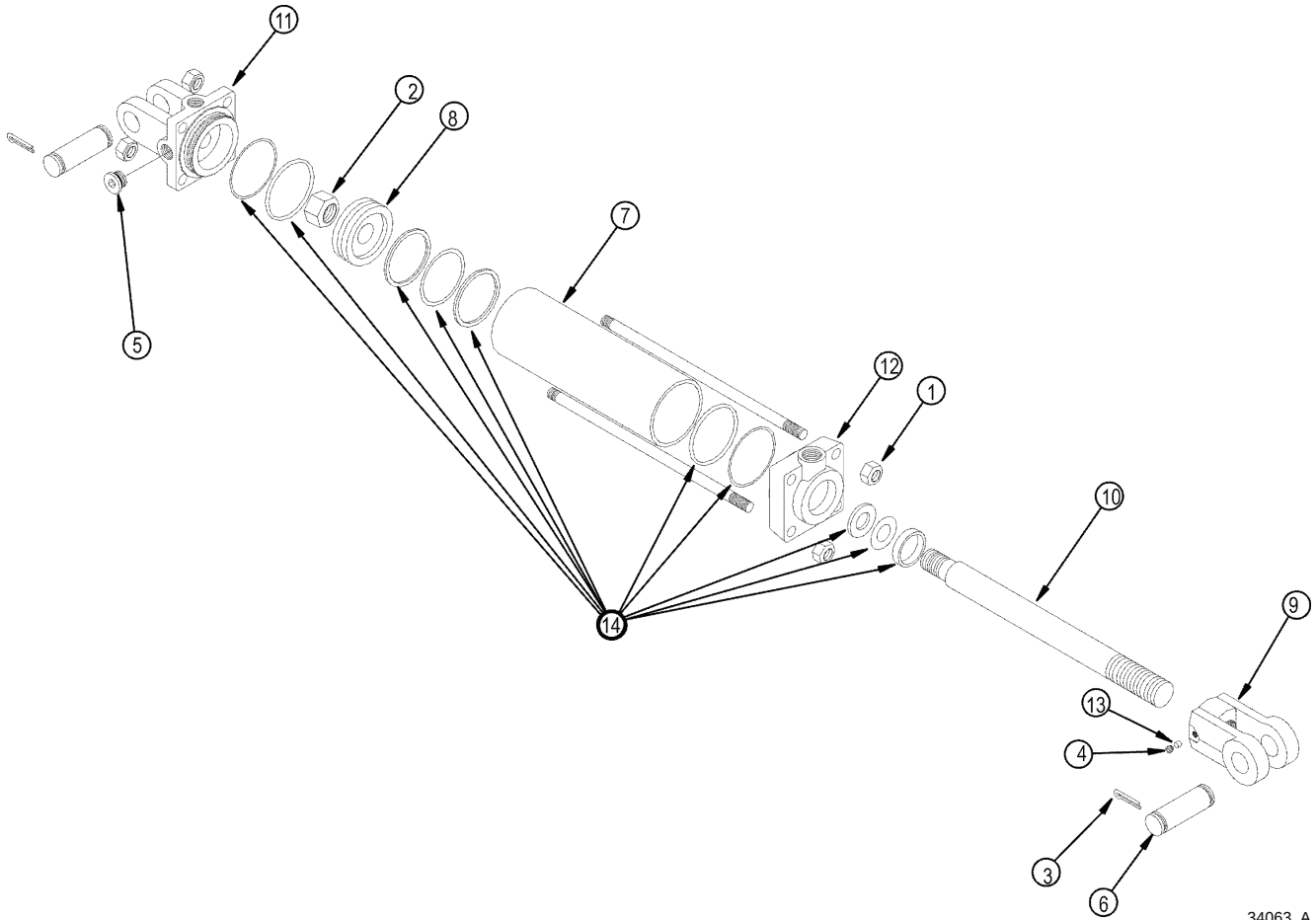
Page 2 of 2

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42138	ASSY,KIT,HYD,MOWER,RCH	1
2	33535	HYD,VALVE,RELIEF,1750PSI,8 ORB	2
3	34063	HYD,CYL,2-1/2X8,RPH	1
4	34064	HYD,CYL,2-3/4X8,RPH	1
5	34066	HYD,CYL,3-1/2X12	2
6	34067	HYD,CYL,3X8,RPH	1
7	34465	HYD,CYL,3X30,8FB90D,W2	2

26.0 Hydraulic Cylinder 2 ½ x 8

From Serial No: RCH0000018



34063_A

Parts Information - RCH™ Mower

Page 2 of 2

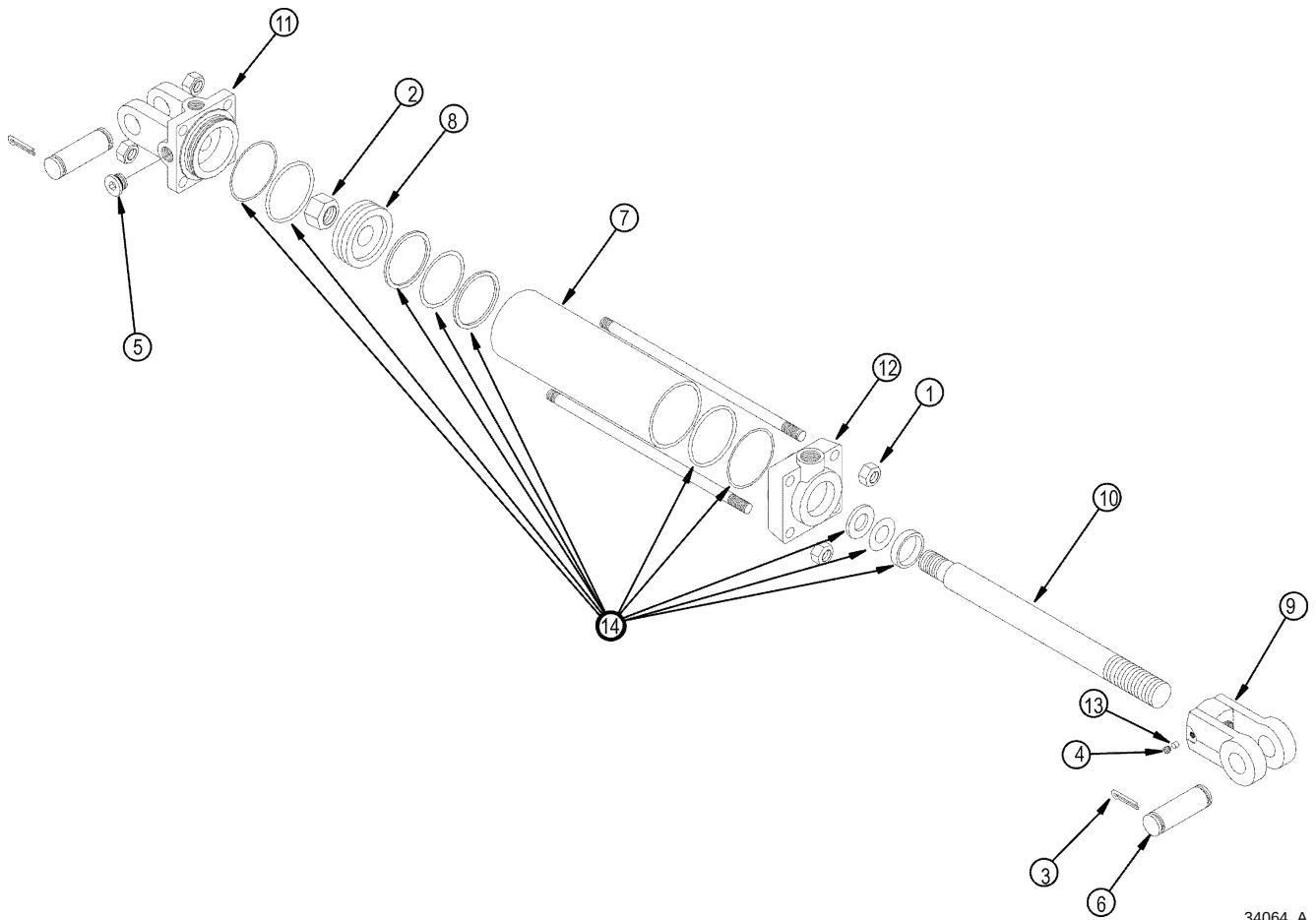
26.0 Hydraulic Cylinder 2 ½ x 8

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	34605	PISTON,NUT	1
3	31289	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	1
5	30193	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7		TUBE	1
8	34607	HYD,CYL,PISTON,2-3/4	1
9	33033	HYD,CLEVIS	1
10	34608	HYD,CYL,ROD	1
11	34609	HYD,CYL,CLEVIS,CAP	1
12	34610	HYD,CYL,CAP,ROD	1
13	30261	LOCK,THREAD,NYLOCK	1
14	34611	HYD,CYL,SEALKIT,2-1/2,1-1/8ROD	1

27.0 Hydraulic Cylinder 2 ¾ x 8

From Serial No: RCH0000018



34064_A

Parts Information - RCH™ Mower

Page 2 of 2

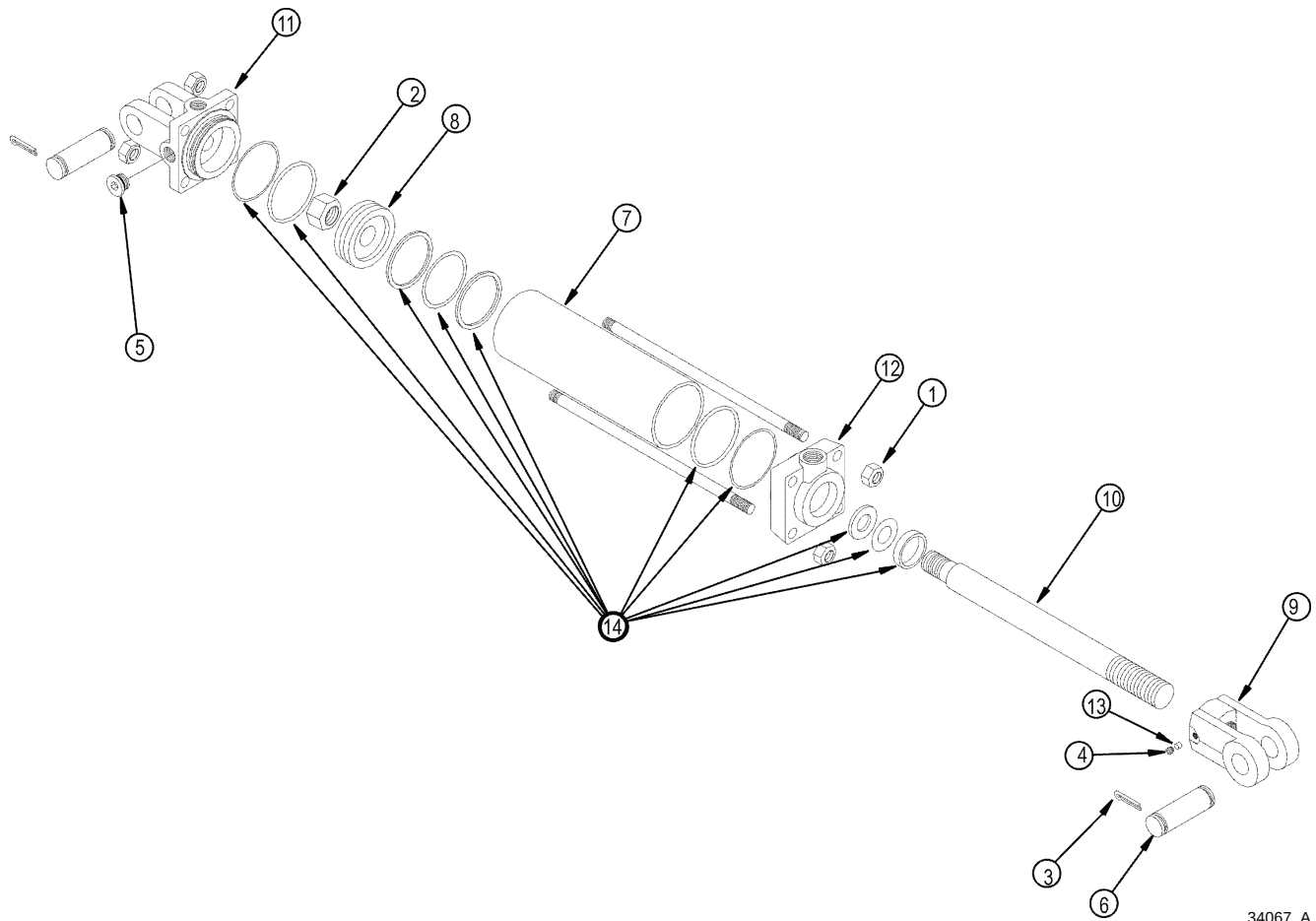
27.0 Hydraulic Cylinder 2 ¾ x 8

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	34605	PISTON,NUT	1
3	31289	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	1
5	30193	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7		TUBE	1
8	34603	HYD,CYL,PISTON,2-3/4	1
9	33033	HYD,CLEVIS	1
10	34604	HYD,CYL,ROD	1
11	34601	HYD,CYL,CLEVIS,CAP,2-3/4	1
12	34602	HYD,CYL,CAP,ROD,2-3/4	1
13	30261	LOCK,THREAD,NYLOCK	1
14	34606	HYD,CYL,SEALKIT,2-3/4,1-1/8ROD	1

28.0 Hydraulic Cylinder 3 x 8

From Serial No: RCH0000018



34067_A

Parts Information - RCH™ Mower

Page 2 of 2

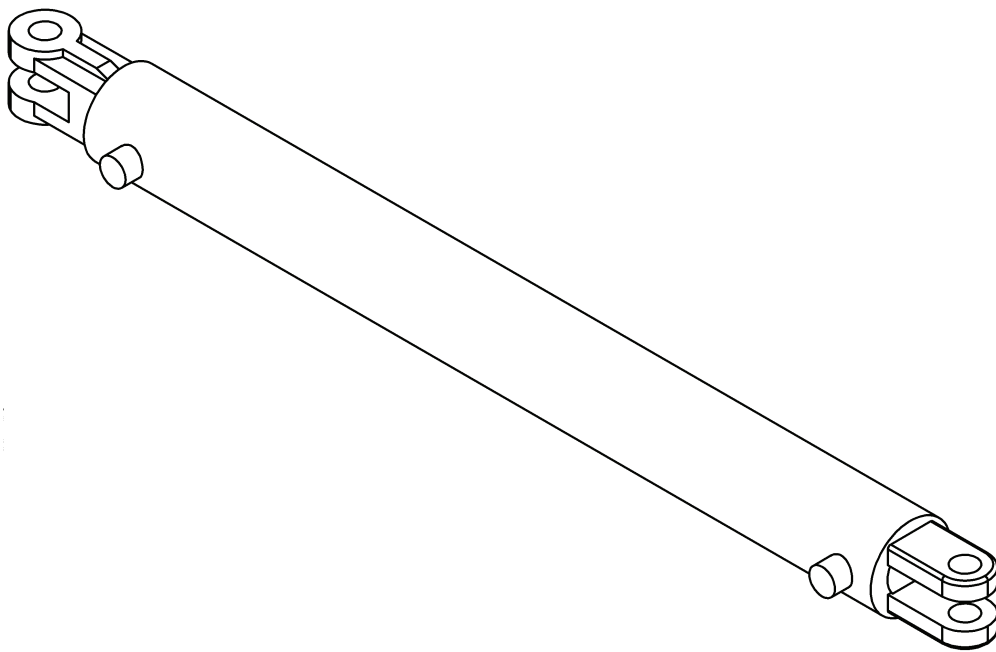
28.0 Hydraulic Cylinder 3 x 8

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	30237	NUT,LOCK,HEX,1,UNF,GR5,ZP	1
3	31289	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	1
5	30193	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7		TUBE	1
8	34260	HYD,CYL,PISTON,3	1
9	90849	HYD,CLEVIS	1
10	34261	HYD,CYL,ROD	1
11	34262	HYD,CYL,CLEVIS,CAP,3	1
12	34263	HYD,CYL,CAP,ROD,ROD,3	1
13	30261	LOCK,THREAD,NYLOCK	1
14	34264	HYD,CYL,SEALKIT,3,1-1/4ROD	1

29.0 Hydraulic Cylinder 3 x 30

From Serial No: RCH0000018



34465_B

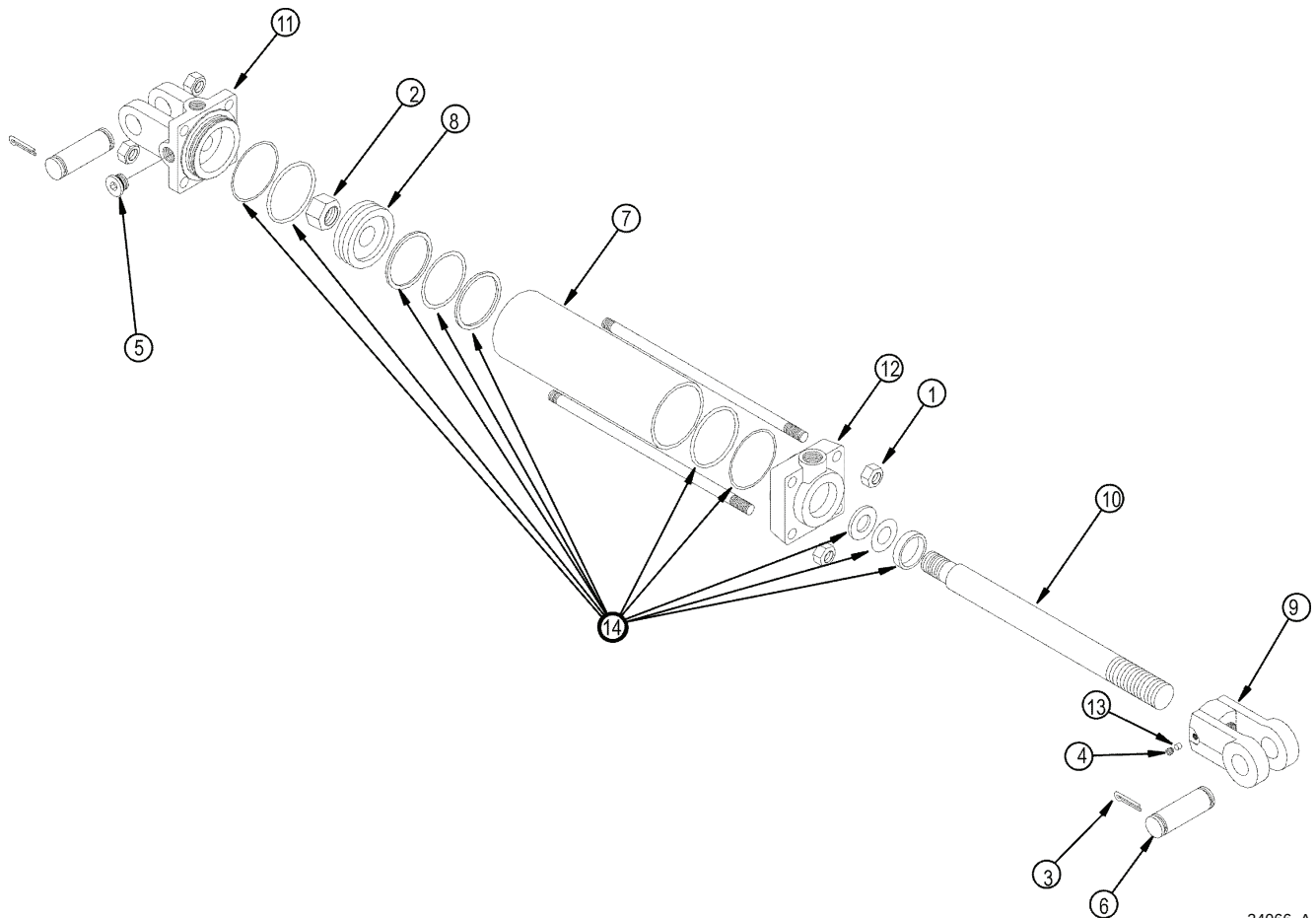
29.0 Hydraulic Cylinder 3 x 30

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	34615	SEAL KIT	1
2	30237	PISTON NUT	1
3	34616	PISTON	1
4	34617	ROD	1
5	34639	ROD CLEVIS	1
6	34640	BUSHING, ROD CLEVIS	2
	34641	CLEVIS KIT (includes Clevis 34369, Bushings 34640 & Clevis Set Screw)	

30.0 Hydraulic Cylinder 3 ½ x 12

From Serial No: RCH0000018



34066_A

Parts Information - RCH™ Mower

Page 2 of 2

30.0 Hydraulic Cylinder 3 ½ x 12

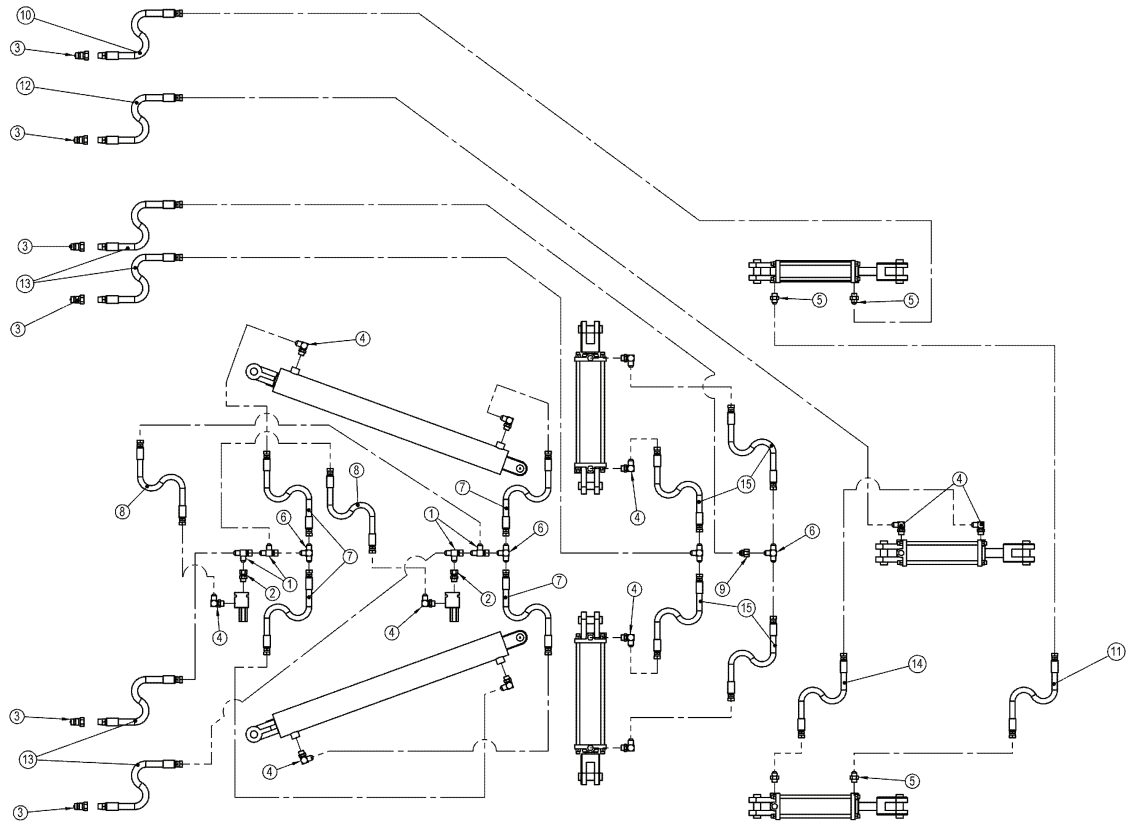
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	30237	NUT,LOCK,HEX,1,UNF,GR5,ZP	1
3	31289	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	1
5	30193	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYD,CYL,PIN,1	2
7		TUBE	1
8	34612	HYD,CYL,PISTON	1
9	90849	HYD,CLEVIS	1
10	34613	HYD,CYL,ROD	1
11	33133	HYD,CYL,CLEVIS,CAP	1
12	33134	HYD,CYL,CAP,ROD	1
13	30261	LOCK,THREAD,NYLOCK	1
14	34614	HYD,CYL,SEALKIT,3-1/2,1-1/4ROD	1

31.0 Hydraulic Connectors

From Serial No: RCH0000018

ORIFICE WILL HAVE TO
BE MOVED TO VALVE BLOCK
FOR INDEPENDENT WING LIFT.



42138_F

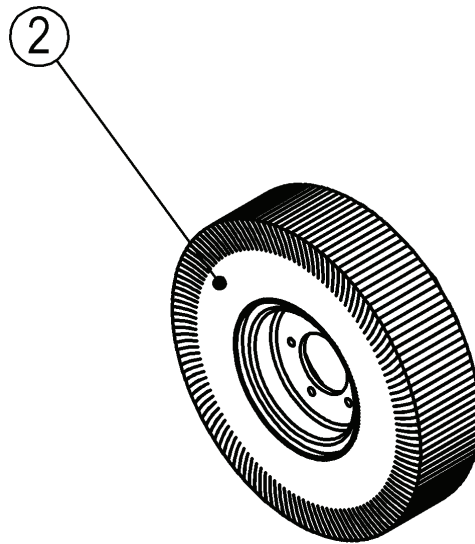
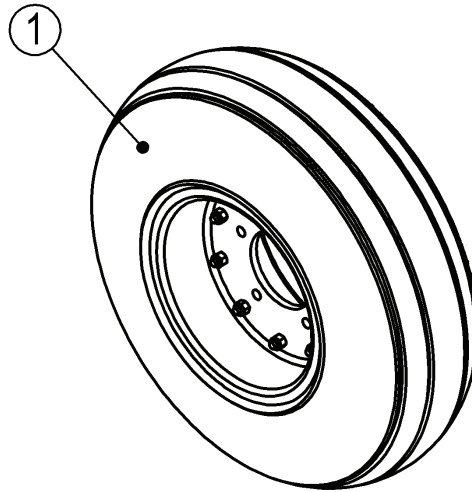
31.0 Hydraulic Connectors

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	4
2	30152	HYD,FIT,ADAPTER,8MB-8FJX	2
3	30209	HYD,FIT,PIONEER,MALE,8FP	6
4	30211	HYD,FIT,ELBOW,8MB-8MJ90	12
5	30215	HYD,FIT,ADAPTER,8MB-8MJ	4
6	30313	HYD,FIT,TEE,8MJ-8MJ-8MJ	4
7	31981	HYD,HOSE,3/8X28,8FJX-8FJX,2W	4
8	33312	HYD,HOSE,3/8X16,8FJX-8FJX,2W	2
9	34300	HYD,FIT,ADAP,8MJ-8FJ,.04ORF	1
10	34365	HYD,HOSE,3/8X446,8MP-8FJX,2W	1
11	34380	HYD,HOSE,3/8X200,8FJX-8FJX,2W	1
12	34385	HYD,HOSE,3/8X354,8MP-8FJX,2W	1
13	34386	HYD,HOSE,3/8X336-8MP-8FJX,2W	4
14	34387	HYD,HOSE,3/8X115,8FJX-8FJX,2W	1
15	90272	HYD,HOSE,3/8X24,8FJX-8FJX,2W	4

32.0 Wheel Assemblies

From Serial No: RCH0000018



32.0 Wheel Assemblies

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	34055	WHL,22X6.6,5,BLK,AIRCRAFT (Includes tire and rim)	1
	34511	WHL,22X6.6,5,BLK,AIRCRAFT, FOAM FILLED (Includes tire and rim)	1
2	34056	WHL,22X6.6,5,BLK,LAMINATE (Includes tire and rim)	1

33.0 Gradient Control

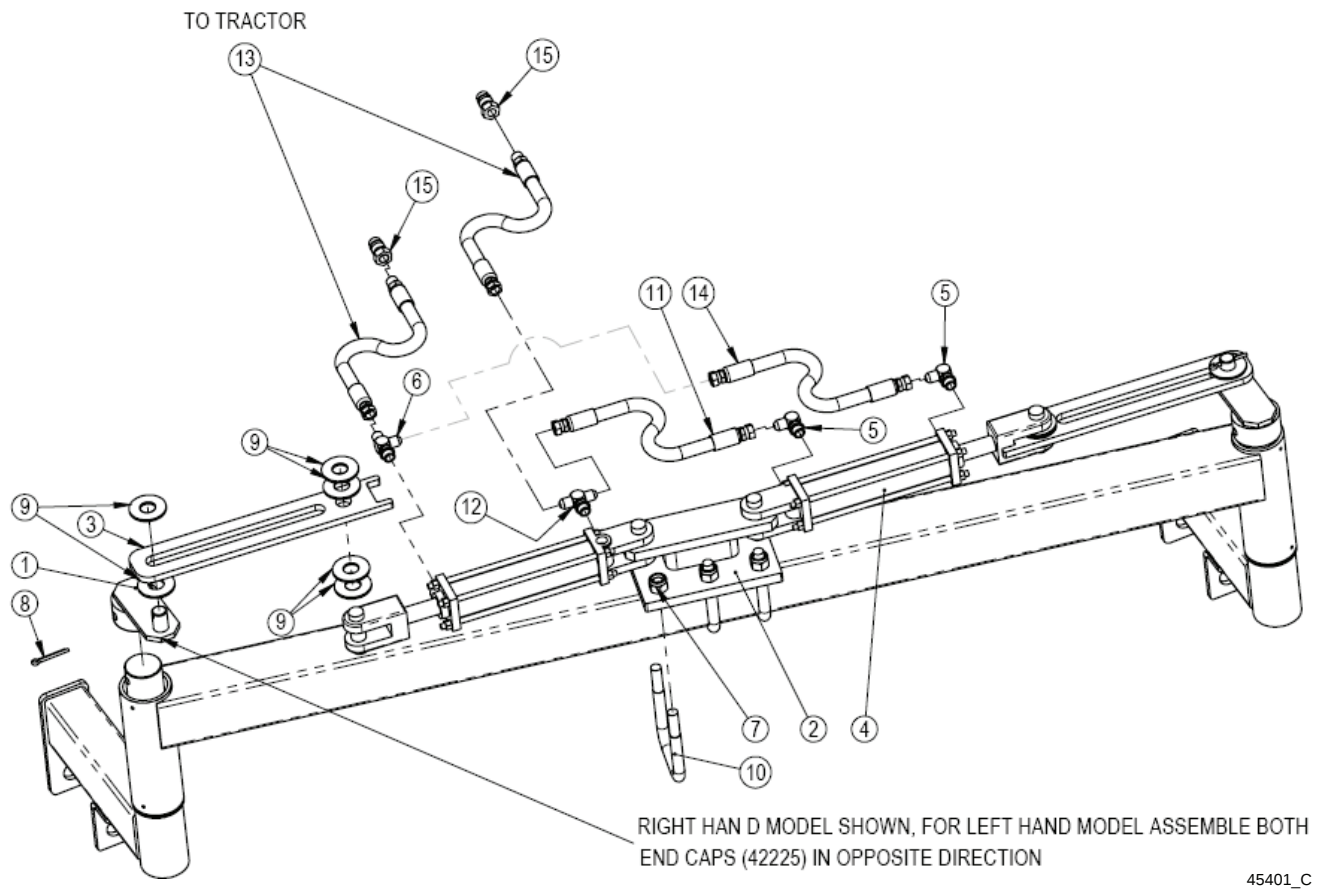
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42225	STEER,CASTOR	2
2	42351	MNT,CYL,STEER	1
3	42352	ELEC,HARNESS,SELCTR,STEER	1
4	E9206	PLT,STEER,CASTOR	2
5	90104	HYD,CYL,2X8,1.125,8FB,90D	2
6	30211	HYD,FIT,ELBOW,8MB-8MJ90	2
7	30214	HYD,FIT,TEE,8MB-8MJ-8MJ	1
8	30215	HYD,FIT,ADAPTER,8MB-8MJ	6
9	30436	HYD,FIT,ELBOW,8FJX-8MJ90	2
10	31174	NUT,NYLOCK,1/4,UNC,ZP	2
11	31175	NUT,NYLOCK,3/4,UNC,ZP	6
12	31212	PIN,COTTER,1/4X2	2
13	31235	WASHER,FLAT,1,ZP	12
14	31237	WASHER,FLAT,1/4,ZP	4
15	31295	BOLT,U,SQ,3/4-10,4x6,2	3
16	32048	HYD,HOSE,1/2X36,8FJX-8FJX,2W	1
17	33200	BOLT,HEX,1/4X3-1/2,UNC,GR5,ZP	2
18	33201	HYD,VALVE,ELEC_DOUBLE_SELECTOR	1
19	33280	HYD,FIT,TEE,8MJ-8MB-8MJ	1
20	33790	HYD,HOSE,1/2X96,8FJX-8FJX,2W	2
21	34218	HYD,HOSE,1/2X12.5,8FJX-8FJX,2W	1

34.0 Gradient Control - 4 Tractor Remote

Page 1 of 2

From Serial No: RCH0000018



34.0 Gradient Control - 4 Tractor Remote

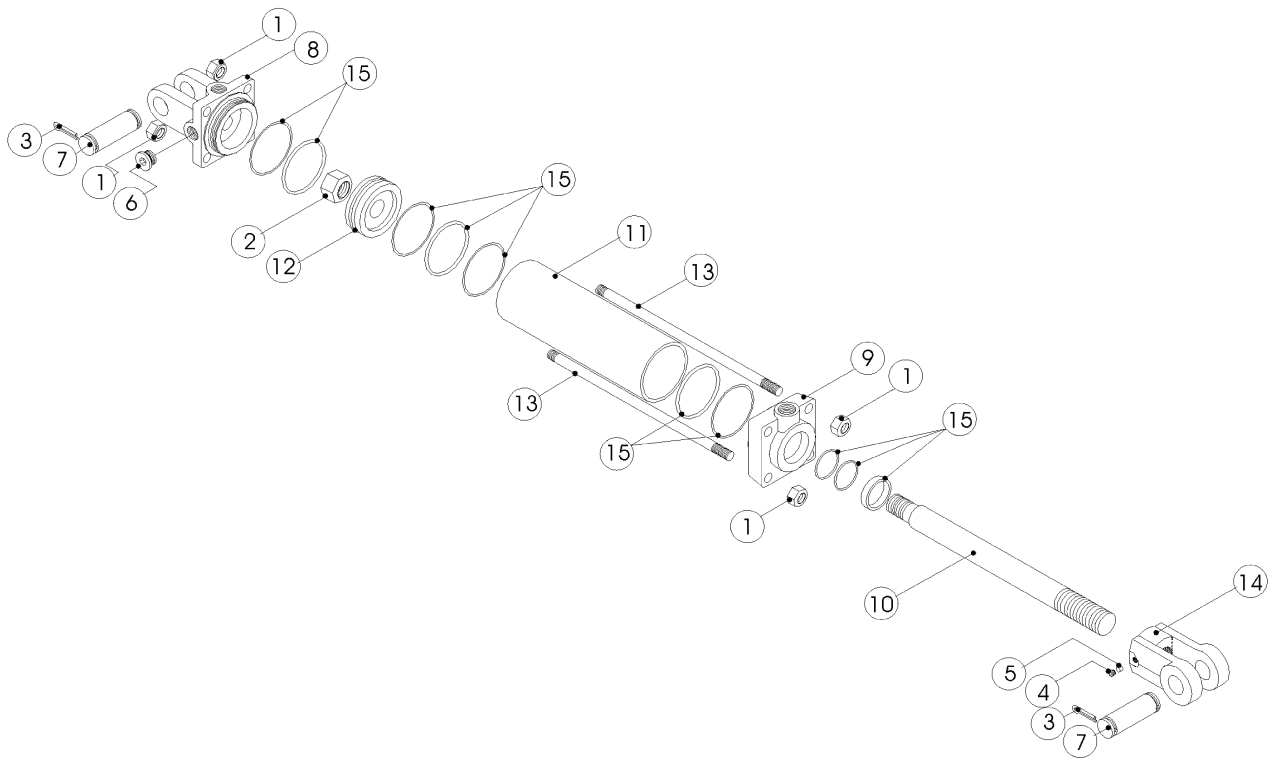
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42225	STEER,CASTOR	2
2	42351	MNT,CYL,STEER	1
3	E9206	PLT,STEER,CASTOR	2
4	90102	HYD,CYL,2X8,1.125,8FB,90D	2
5	30211	HYD,FIT,ELBOW,8MB-8MJ90	2
6	30214	HYD,FIT,TEE,8MB-8MJ-8MJ	1
7	31175	NUT,NYLOCK,3/4,UNC,ZP	6
8	31212	PIN,COTTER,1/4X2	2
9	31235	WASHER,FLAT,1,ZP	12
10	31295	BOLT,U,SQ,3/4-10,4x6,2	3
11	34218	HYD,HOSE,1/2X12.5,8FJX-8FJX,2W	1
12	33280	HYD,FIT,TEE,8MJ-8MB-8MJ	1
13	34571	HYD,HOSE,3/8X384-8MP-8FJX,2W	2
14	32048	HYD,HOSE,1/2X36,8FJX-8FJX,2W	1
15	30209	HYD,FIT,PIONEER,MALE,8FP	2

35.0 Hydraulic Cylinder 2 x 8 - Gradient Control

Page 1 of 2

From Serial No: RCH0000018



90104_D

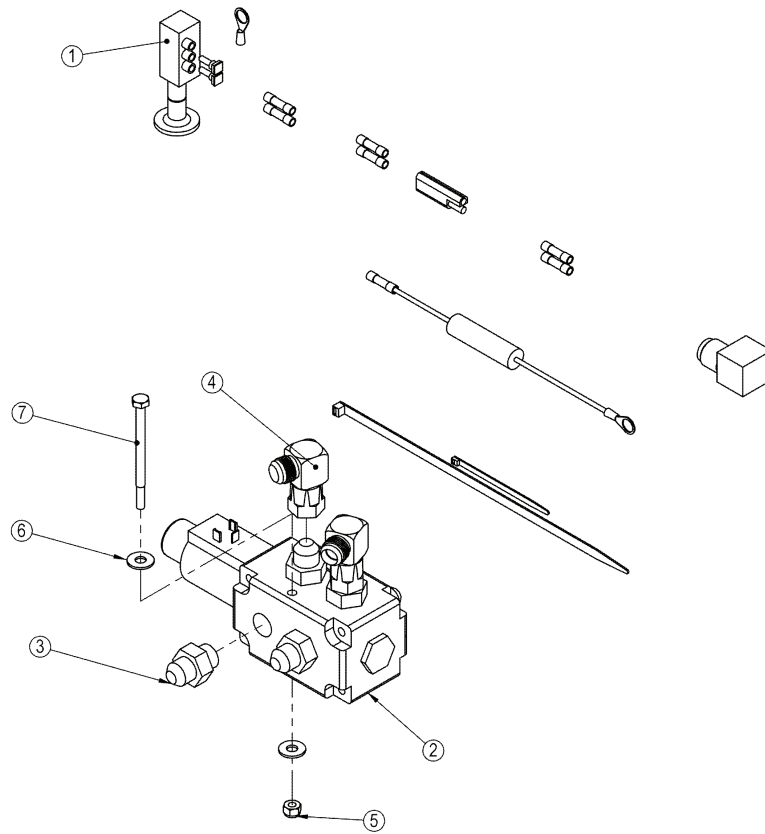
35.0 Hydraulic Cylinder 2 x 8 - Gradient Control

From Serial No: RCH0000018

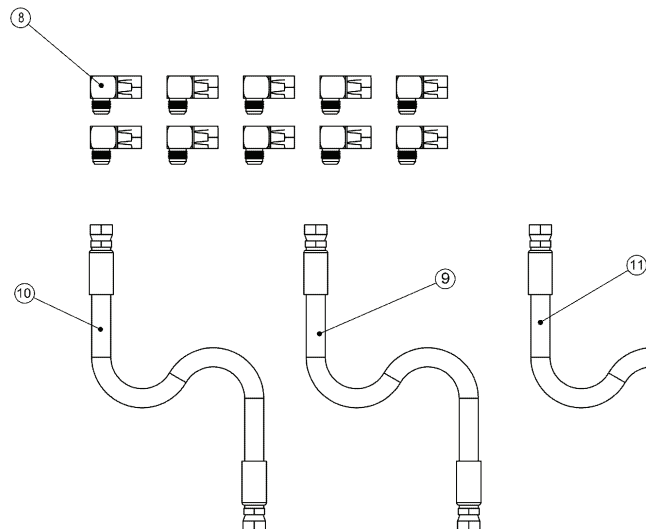
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31485	NUT,HEX,3/8,UNC,ZP	8
2	31588	NUT,HEX,3/4,UNF	1
3	31289	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	1
5	30261	LOCKTHREAD,NYLOCK	1
6	33026	HYD,FIT,PLUG,8ORB,HOLLOWHEX	1
7	32250	HYD,CYL,PIN,1	2
8	33027	HYD,CYL,CLEVIS,CAP,2,8ORBF	1
9	33028	HYD,CYL,CAP,ROD,2X1-1/8,8ORBF	1
10	33029	HYD,CYL,ROD,1-1/8X14-3/4	1
11	33030	HYD,CYL,2X8,H6203	1
12	33031	HYD,CYL,PISTON,2,H6688	1
13	33032	HYD,CYL,TIEROD,3/8X8	4
14	33033	HYD,CLEVIS,1-1/8,1PIN	1
15	33034	HYD,CYL,SEALKIT,2,	1

36.0 Hydraulic Options

From Serial No: RCH0000018



42309_B



42392_A

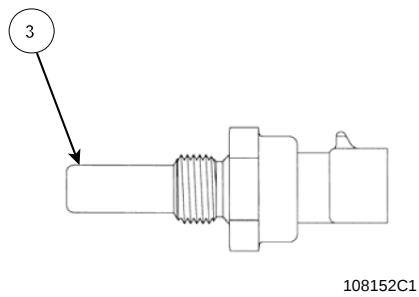
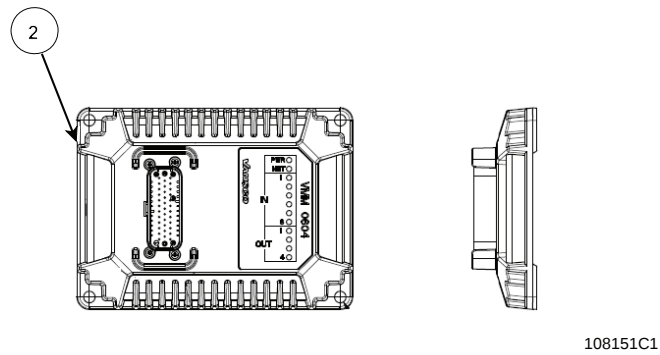
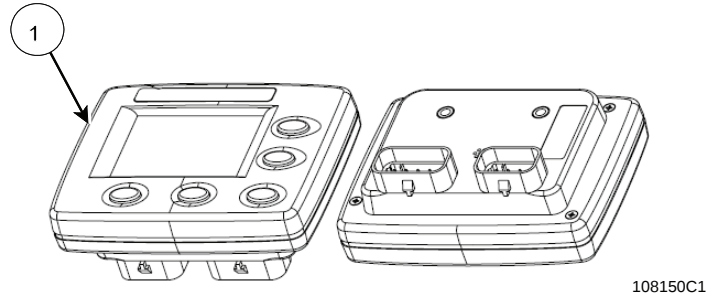
36.0 Hydraulic Options

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42352	ELEC,HARNESS,SELCTR,STEER	1
2	33201	HYD,VALVE,ELEC_DOUBLE_SELECTOR	1
3	30215	HYD,FIT,ADAPTER,8MB-8MJ	6
4	30436	HYD,FIT,ELBOW,8FJX-8MJ90	2
5	31174	NUT,NYLOCK,1/4,UNC,ZP	2
6	31237	WASHER,FLAT,1/4,ZP	4
7	33200	BOLT,HEX,1/4X3-1/2,UNC,GR5,ZP	2
8	30436	HYD,FIT,ELBOW,8FJX-8MJ90	10
9	34625	HYD,HOSE,3/8X23,8FJX-8FJX,2W	2
10	34626	HYD,HOSE,3/8X19,8FJX-8FJX,2W	1
11	90271	HYD,HOSE,3/8X42,8FJX-8FJX,2W	2

37.0 Gearbox Temperature Sensing Option

From Serial No: RCH0000018



37.0 Gearbox Temperature Sensing Option

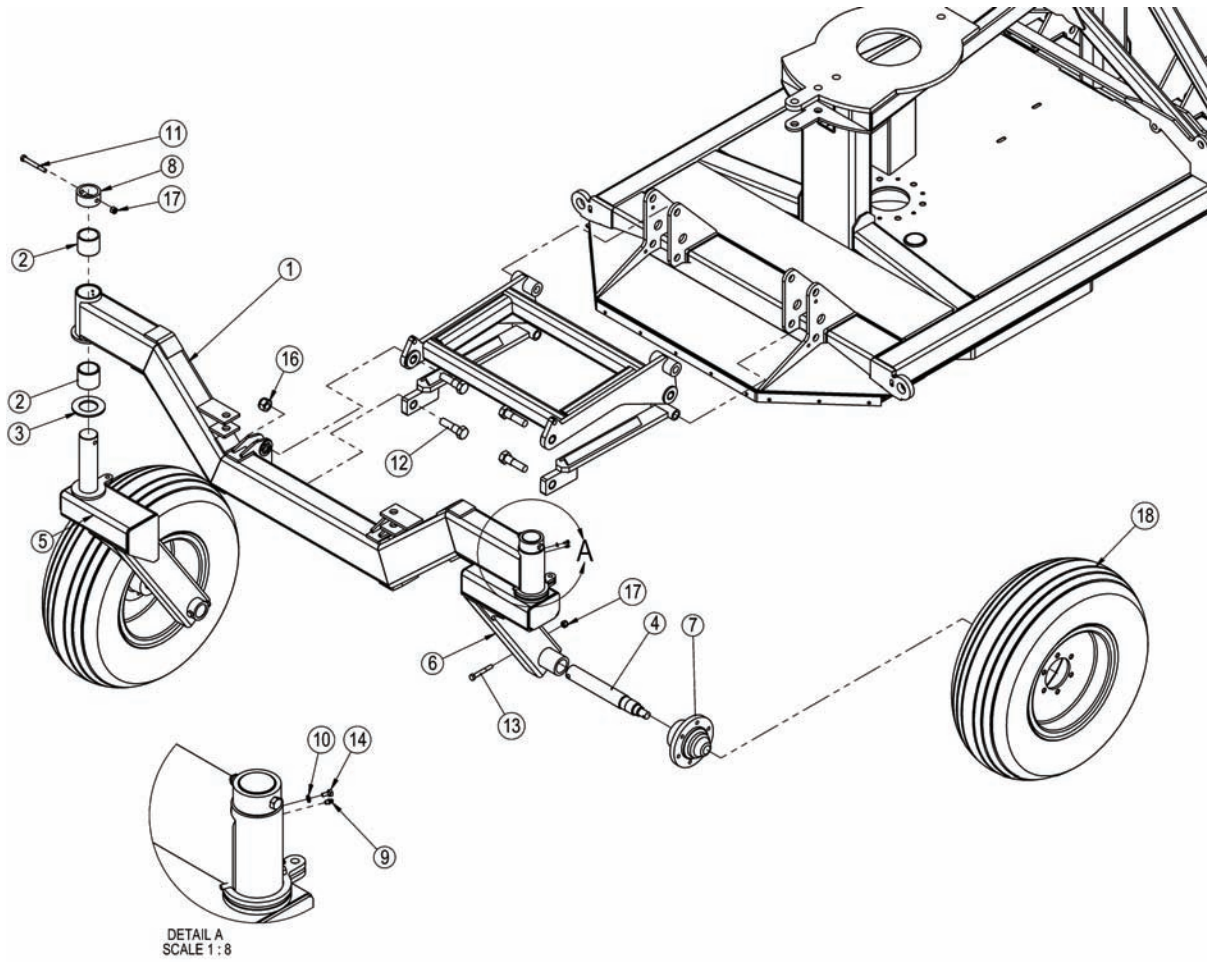
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	34281	HL DISPLAY UNIT, MOWER	1
2	34282	HL CONTROL MODULE, MOWER	1
3	34513	HL SENSOR,TEMP	6
	34283	HL BALL AND SOCKET MOUNT, MOWER	1
	34512	HL HARNESS,TEMP SENSE,FRONT~A	1
	34961	HL HARNESS,TEMP SENSE,REAR~A	1
	34514	HL HYD,FIT,6MP-M12X1.5F~A	6
	31649	HL ELEC,CLAMP,CABLE,1/2 ~A	20
	30294	SCREW,TEK,1/4X1	20

38.0 High Flotation Front Axle Option

Page 1 of 2

From Serial No: RCH0000018



42437_A

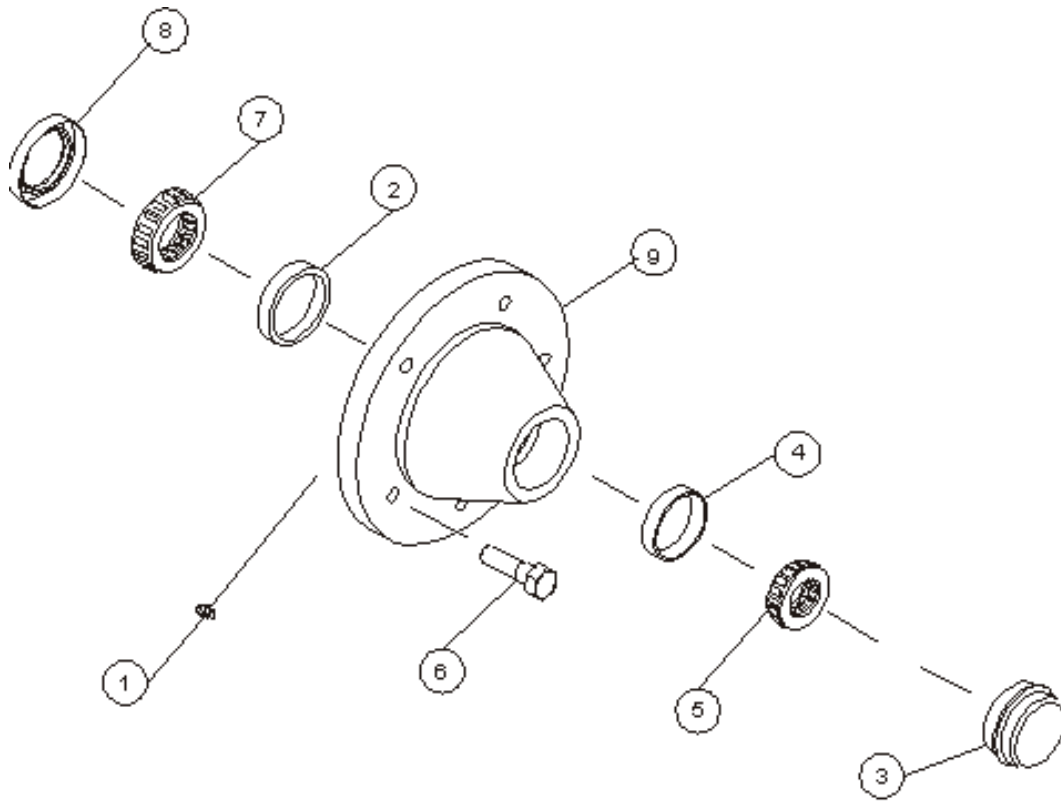
38.0 High Flotation Front Axle Option

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42440	BEAM,FRNT HF,RCH	1
2	34551	BUSHING,3.0x2.5X2.5 NYLATRON GS	4
3	34552	PLATE,WEAR,CASTOR,UHMW	2
4	34560	SUSP,SPINDLE,S614,14-9/16,DRLD	2
5	42442	CASTOR,SINGLE,RH	1
6	42441	CASTOR,SINGLE,LH	1
7	45228	SUSP,HUB,H614,5000LBS	2
8	E9094	SLEEVE,HITCH,STOP	2
9	30207	ZERK,1/4-28,GF641,STRAIGHT	4
10	31245	WASHER,LOCK,1/4,ZP	4
11	31026	BOLT,HEX,1/2X4,UNC,GR5,ZP	2
12	31449	BOLT,HEX,1X3-1/2,UNC,GR8,ZP	4
13	31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	2
14	34558	BOLT,HEX,1/4X1/2,UNF,GR5,ZP	2
15	34334	BOLT,HEX,3/8X4-1/2,UNC,GR8,ZP	2
16	31172	NUT,NYLOCK,1,UNC,ZP	4
17	31173	NUT,NYLOCK,1/2,UNC,ZP	4
18	34556	WHL,32X11.5X15,BLK,AIRCRAFT	2

39.0 High Flotation Front Wheel Hub

From Serial No: RCH0000018



45228_B

39.0 High Flotation Front Wheel Hub

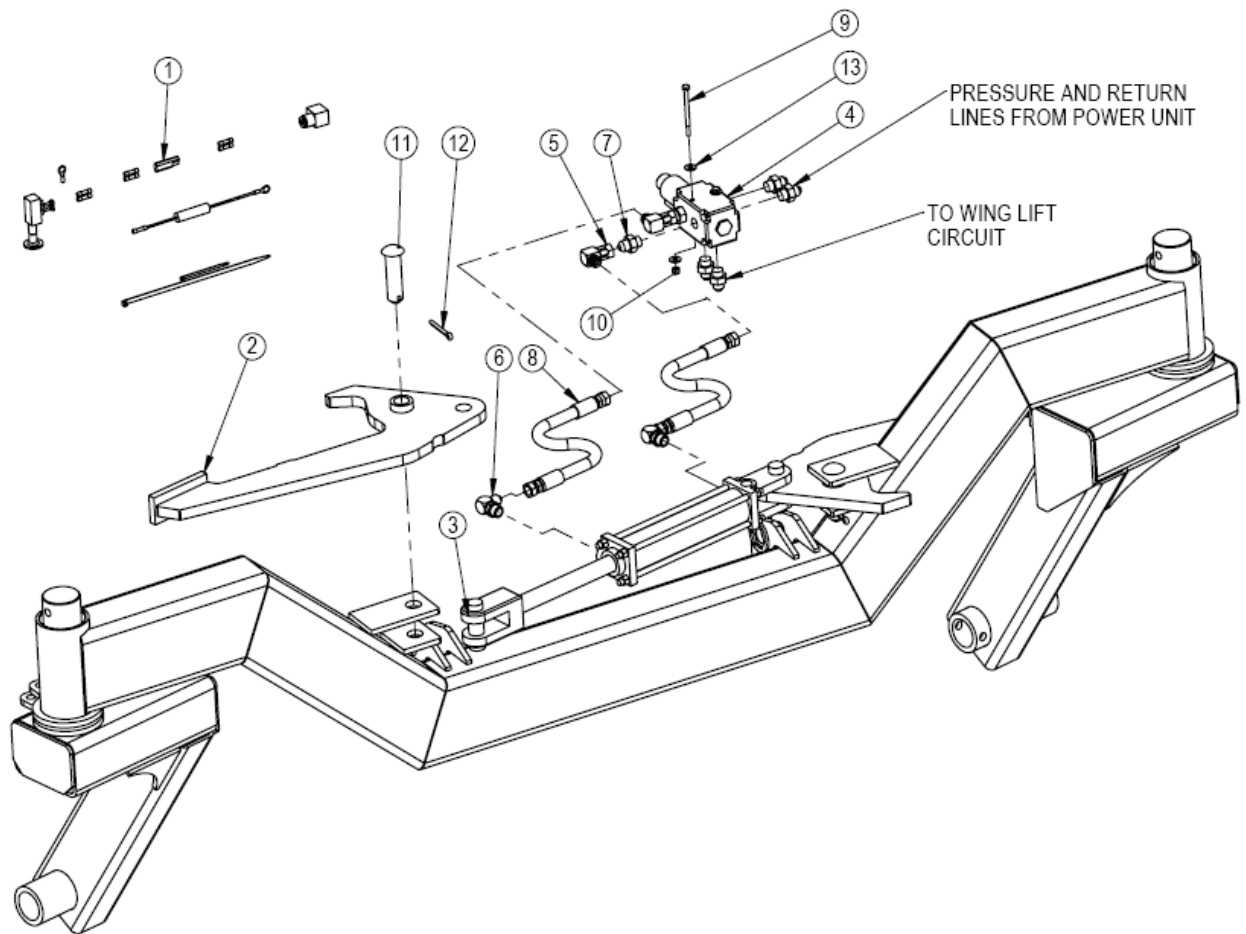
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30207	ZERK,1/4-28,STRAIGHT	1
2	30226	DRV,BRG,RACE,INNER,1.781	1
3	32296	CAP,DUST	1
4	32299	BRG,RACE,OUTER	1
5	32300	BEARING,OUTER	1
6	32301	SUSP,BOLT,WHEEL,9/16X1-1/4	6
7	32305	BEARING,INNER	1
8	32306	SEAL,GREASE	1
9	32312	HUB,H614	1

40.0 High Flotation Front Axle - Gradient Control - 2 or 3 Tractor Remote

Page 1 of 2

From Serial No: RCH0000018



42438_A

40.0 High Flotation Front Axle - Gradient Control - 2 or 3 Tractor Remote

Page 2 of 2

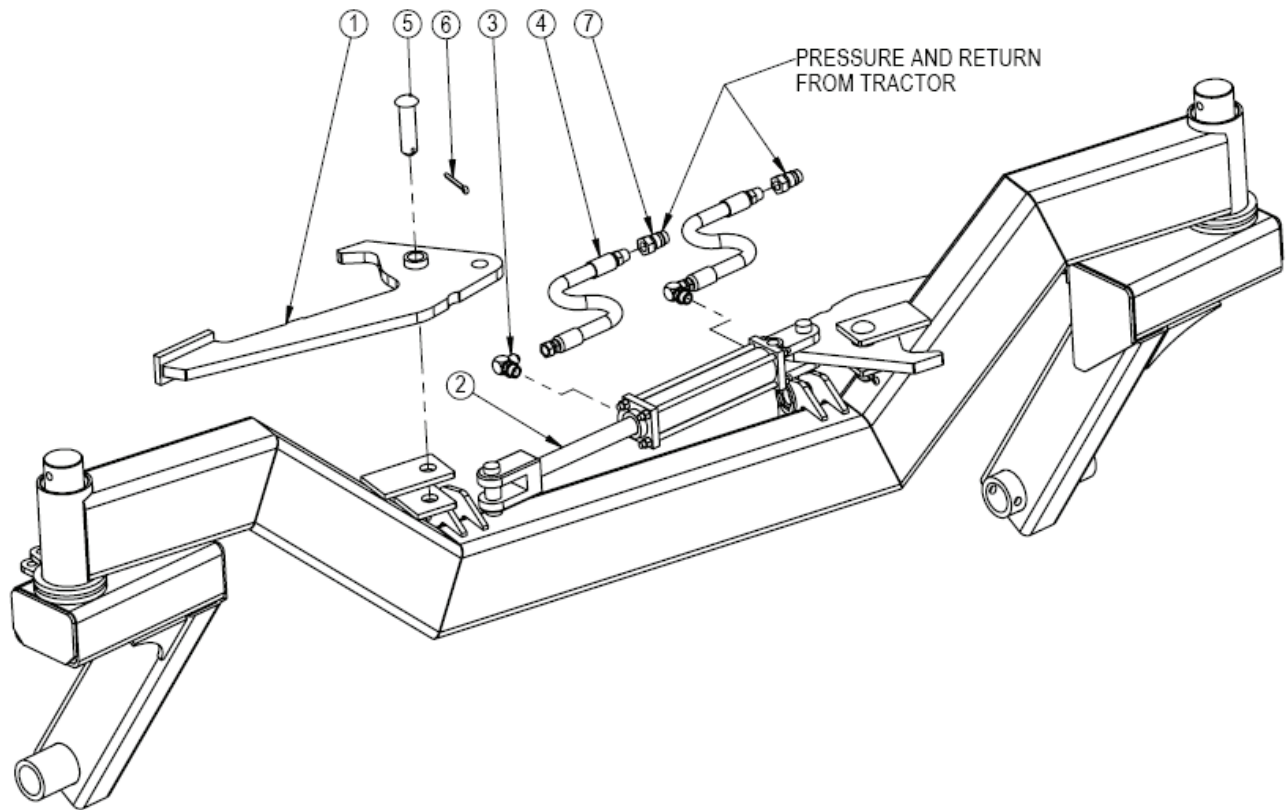
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	42352	ELEC,HARNESS,SELCTR,STEER	1
2	45432	STEERING ARM	2
3	90102	HYD,CYL,2X8,1.125,8FB,90D	1
4	33201	HYD,VALVE,ELEC_DOUBLE_SELECTOR	1
5	30436	HYD,FIT,ELBOW,8FJX-8MJ90	2
6	30211	HYD,FIT,ELBOW,8MB-8MJ90	2
7	30215	HYD,FIT,ADAPTER,8MB-8MJ	6
8	32614	HYD,HOSE,3/8X109,8FJX-8FJX,1W	2
9	33200	BOLT,HEX,1/4X3-1/2,UNC,GR5,ZP	2
10	31174	NUT,NYLOCK,1/4,UNC,ZP	2
11	1700-66	PIN CYL 1X3-3/4	2
12	31212	PIN,COTTER,1/4X2	2
13	31237	WASHER,FLAT,1/4,ZP	4

41.0 High Flotation Front Axle - Gradient Control - 4 Tractor Remote

Page 1 of 2

From Serial No: RCH0000018



45433_A

41.0 High Flotation Front Axle - Gradient Control - 4 Tractor Remote

Page 2 of 2

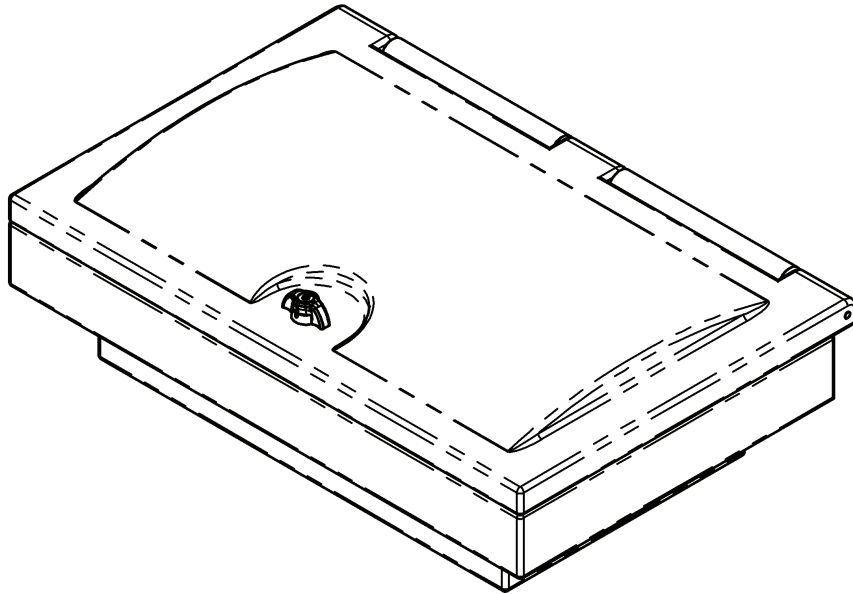
From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	45432	STEERING	2
2	90102	HYD,CYL,2X8,1.ARM 125,8FB,90D	1
3	30211	HYD,FIT,ELBOW,8MB-8MJ90	2
4	34571	HYD,HOSE,3/8X384-8MP-8FJX,2W	2
5	1700-66	PIN CYL 1X3-3/4	2
6	31212	PIN,COTTER,1/4X2	2
7	30209	HYD,FIT,PIONEER,MALE,8FP	2

42.0 Toolbox

Page 1 of 2

From Serial No: RCH0000018



E9146_A

42.0 Toolbox

Page 2 of 2

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
	E9146_A	TOOLBOX, RCH	1

43.0 Manuals

Page 1 of 2

From Serial No: RCH0000018

**RCH™ Mower
Radial Contouring
Hitch Mower**

**Operator's
Manual**

Highline Manufacturing Limited
HWY #27, P.O. Box 307
Vonda, SK S0K 4N0
Canada
Phone: 306.258.2233
Fax: 306.258.2010
Toll Free: 1.800.665.2010

E9145V1

Printed in Canada

Copyright © 2008 by Highline Manufacturing Ltd. All rights reserved.

The content of this manual was based on the most current information available as of the date of copyright. It is the policy of Highline Manufacturing Limited to improve and develop our products continually. We reserve the right to make changes or add improvements at any time, without incurring any obligation to make changes or improvements on machines previously sold.

43.0 Manuals

Page 2 of 2

From Serial No: RCH0000018

ITEM NO.	PART NO.	DESCRIPTION	QTY.
	E9145V2	RCH OPERATOR'S MANUAL	1
	E9264V2	RCH PARTS BOOK	1
	E9145FrV1	RCH OPERATOR'S MANUAL - French (Quebec)	1
	E9145RusV1	RCH OPERATOR'S MANUAL - Russian	1

This Page Left Blank
