



SMR600 ROCK REMOVAL

Published:10/15

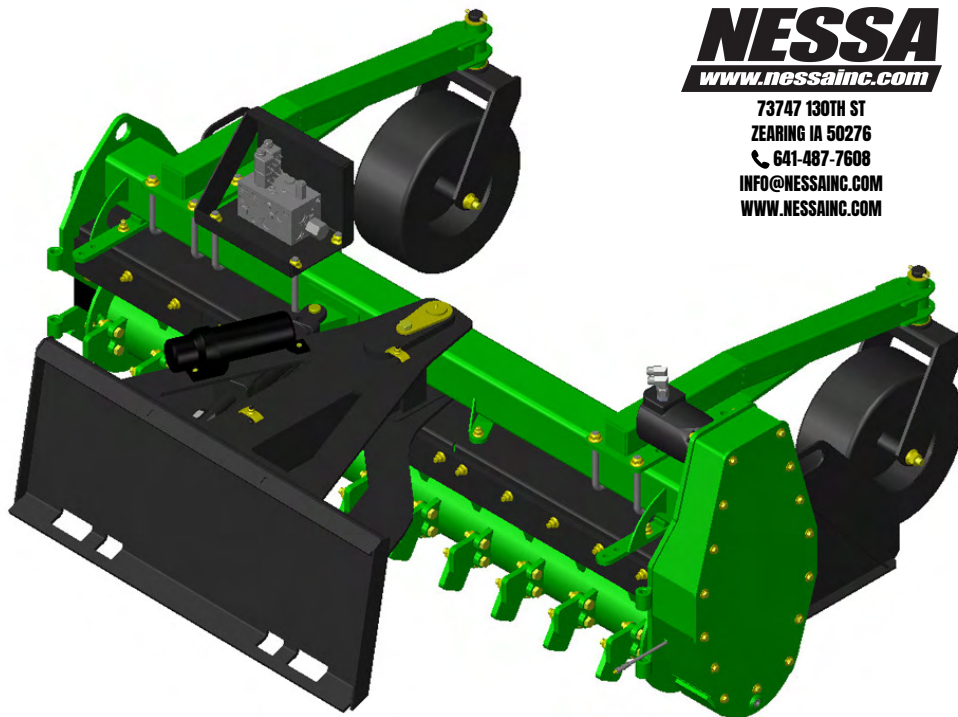
S/N: R70010001602- R700110010602 inclusive

Part No. R700-010P

PARTS MANUAL



An Operators Manual with IMPORTANT Safety, Assembly, Operation and Maintenance information was packaged with this Parts Manual during final inspection at the factory. If the Operators Manual is missing at any time, please contact Schulte Industries Ltd. At (306) 287-3715 to receive your free replacement manual.



NESSA
www.nessainc.com

73747 130TH ST
ZEARING IA 50276
641-487-7608
INFO@NESSAINC.COM
WWW.NESSAINC.COM

Schulte Industries Ltd.
PO Box 70
Englefeld Saskatchewan
Canada S0K 1N0
Tel. (306) 287-3715
Fax. (306) 287-3355
Parts Fax. (306) 287-4066
Email: info@schulte.ca
Web: www.schulte.ca



Parts Ordering Guide

The following instructions are offered to help eliminate delay and error in processing purchase orders for the equipment in this section.

1. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts were ordered.
2. The Purchase Order must clearly list the quantity of each part, the complete and correct part number, and the description of the part.
3. Schulte Industries Ltd reserves the right to substitute parts where applicable.
4. Schulte Industries Ltd reserves the right to change prices without prior notice.

NOTE: Please refer to the Safety Section in the front of the Operators Manual for the proper Part Number when ordering Replacement Safety Decals. Safety decals are available free of charge from the Schulte Parts Department.

NOTE: If the Operators Manual does not accompany this Parts Manual please obtain one, free of charge from the Schulte Parts Department. DO NOT operate this implement unless you READ, UNDERSTAND, and FOLLOW the Safety and Operation instructions contained in the Operators Manual

NOTE: Please note that the appearance of some parts may vary from the artwork shown in the Manual.



For maximum safety and to guarantee optimum product reliability, always use genuine Schulte Parts. The use of inferior replacement parts may cause premature or catastrophic failure, which could result in serious injury or death.

Direct any questions regarding parts to:

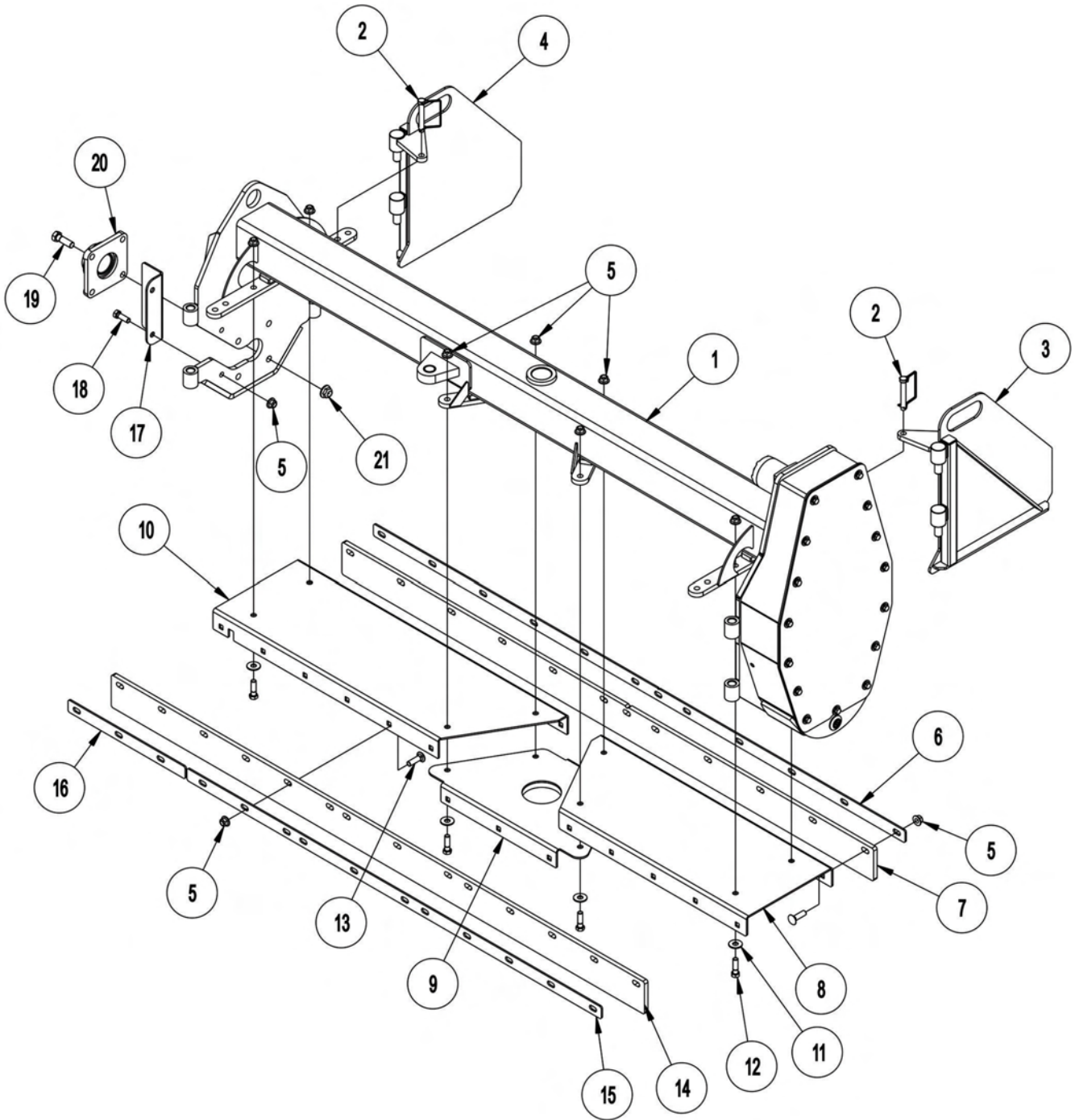
Schulte Industries Ltd ®
P.O. Box 70
Englefeld, Saskatchewan
Canada S0K 1N0
Phone: (306)-287-3715
Parts Fax: (306) 287-4066
Email: info@schulte.ca



PART NAME INDEX

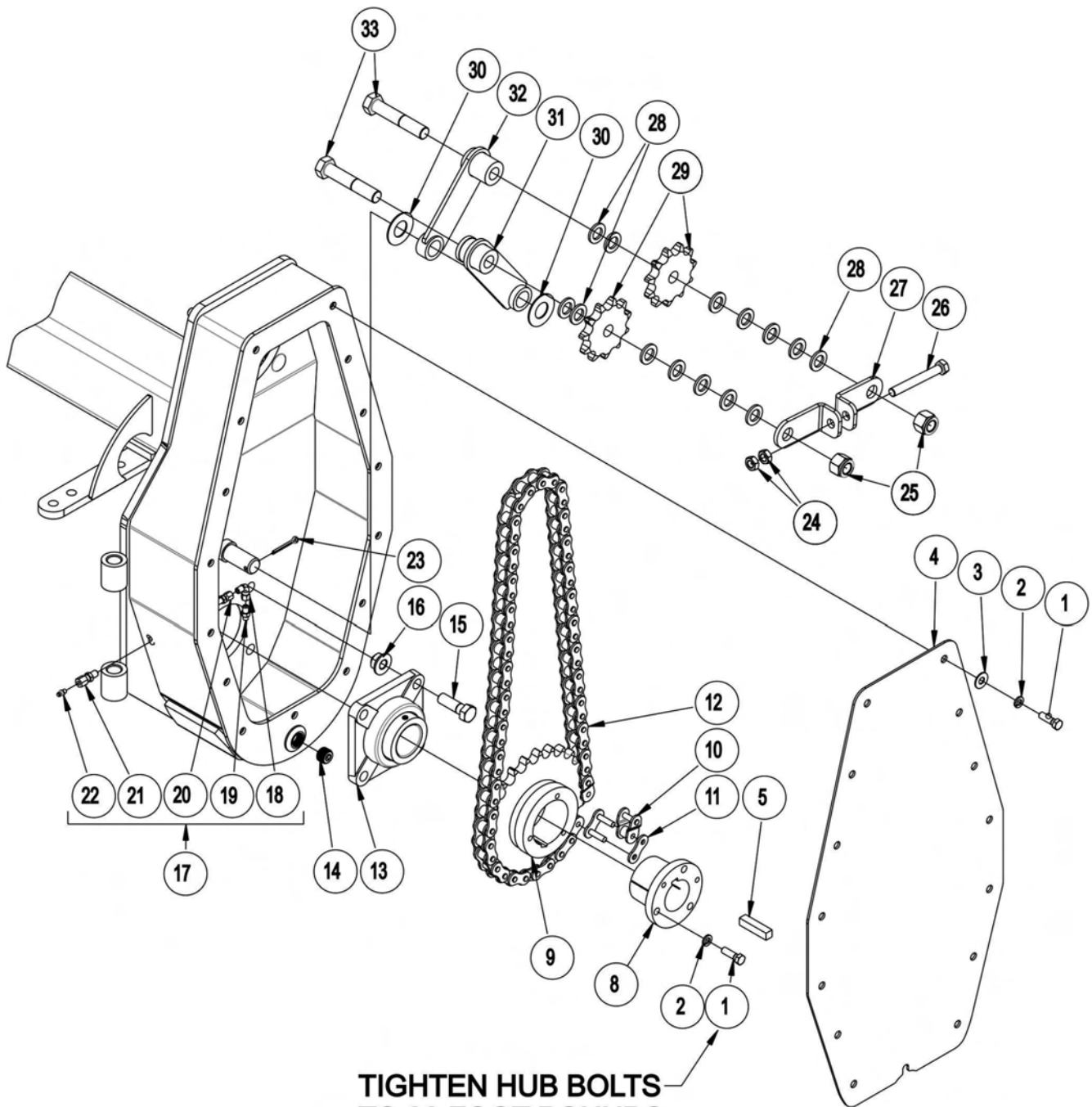
SMR600 - MAIN FRAME - REV 2015-09.....	4
SMR600 - CHAIN CASE - REV 2015-09.....	6
SMR600 - STANDARD WHEELS - REV 2015-09.....	8
SMR600 - STANDARD DRUM - REV 2015-09.....	10
SMR600 - ROTATING MOUNT - REV 2015-09.....	12
SMR600 - FLOATING MOUNT - REV 2015-09.....	14
SMR600 - DRIVE OPTIONS - REV 2015-09.....	16
SMR600 - HYDRAULIC CYLINDER, 100-331 - REV 2014-08.....	18
SMR600 - WHEEL ASSEMBLY, 210-179 - REV 2015-09.....	19
SMR600 - WIRING HARNESS - REV 2015-09.....	20

SMR600 - MAIN FRAME - REV 2015-09



SMR600 - MAIN FRAME - REV 2015-09**Continued...**

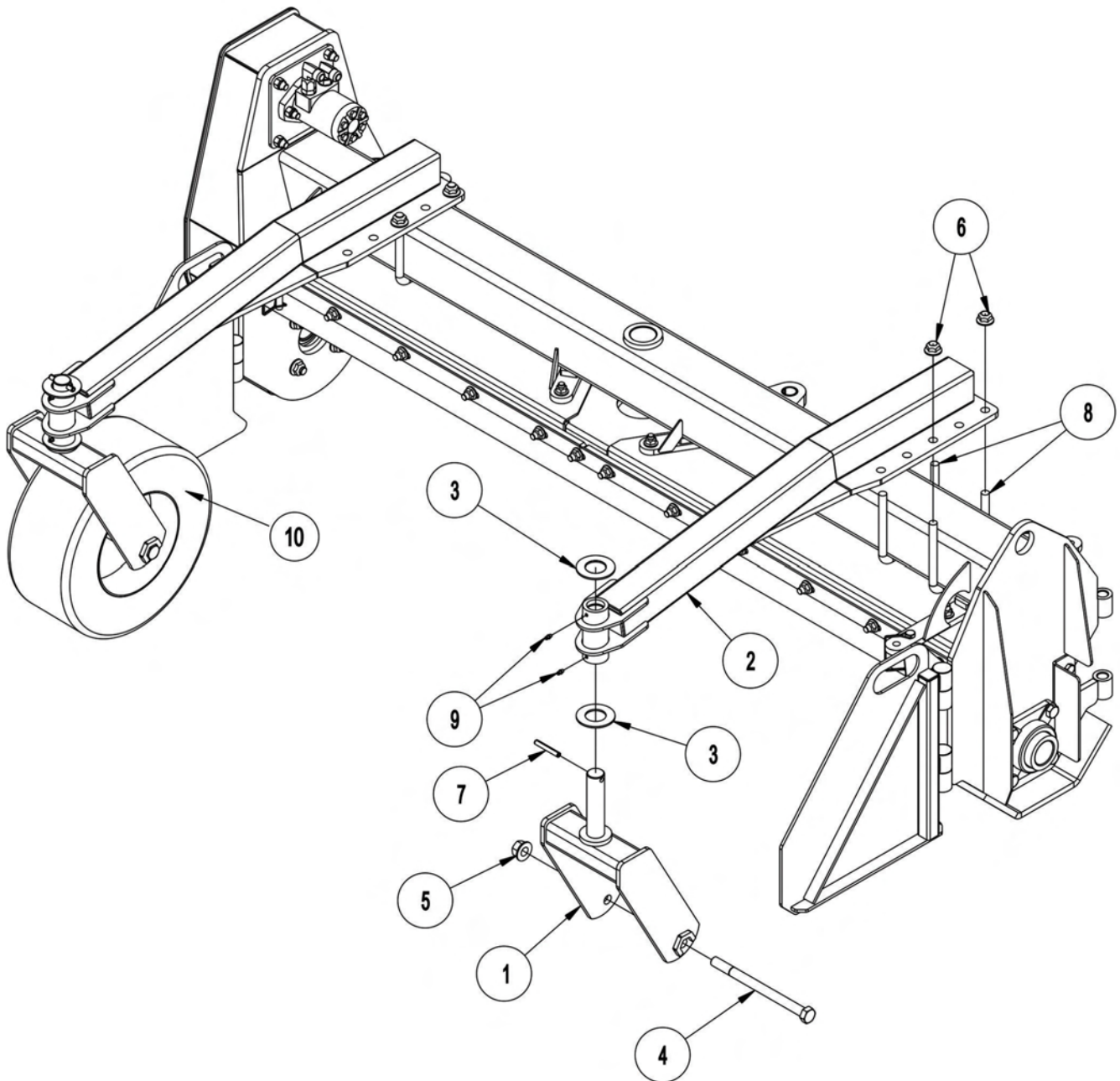
ITEM	PART NO.	QTY.	DESCRIPTION
1	R700-101	1	SMR-600 MAIN FRAME
2	302-045	2	QUICK PIN, 1/2" X 3", 1-1/2" UL
3	R500-118	1	RIGHT SIDE PLATE
4	R500-117	1	LEFT SIDE PLATE
5	257-060	38	CENTERLOCK FLANGE NUT 1/2" UNC
6	R700-108	2	GUARD STRAP, FRONT
7	R700-501	1	RUBBER GUARD FRONT
8	R700-102	1	SHIELD, RIGHT
9	R700-113	1	CENTER SHIELD
10	R700-103	1	SHIELD LEFT
11	256-011	8	WASHER, 1/2"
12	250-060	8	BOLT, 1/2" X 1-3/4" UNC GR5 PLATED
13	250-0681	26	CARRIAGE BOLT, 1/2" X 1-3/4"
14	R700-502	1	RUBBER GUARD REAR
15	R700-104	1	GUARD STRAP, REAR LONG
16	R700-109	1	GUARD STRAP, REAR SHORT
17	R500-111	1	BEARING RETAINER
18	250-059	2	BOLT, 1/2" X 1-1/2" UNC GR5 PLATED
19	250-090	4	BOLT, 5/8" X 2" UNC GR5 PLATED
20	352-101	1	FLANGE BEARING 2" BORE COMPLETE
21	257-062	4	LOCKING FLANGE NUT 5/8" UNC



**TIGHTEN HUB BOLTS
TO 30 FOOT POUNDS,
APPLY BLUE LOCTITE TO
THESE BOLTS**

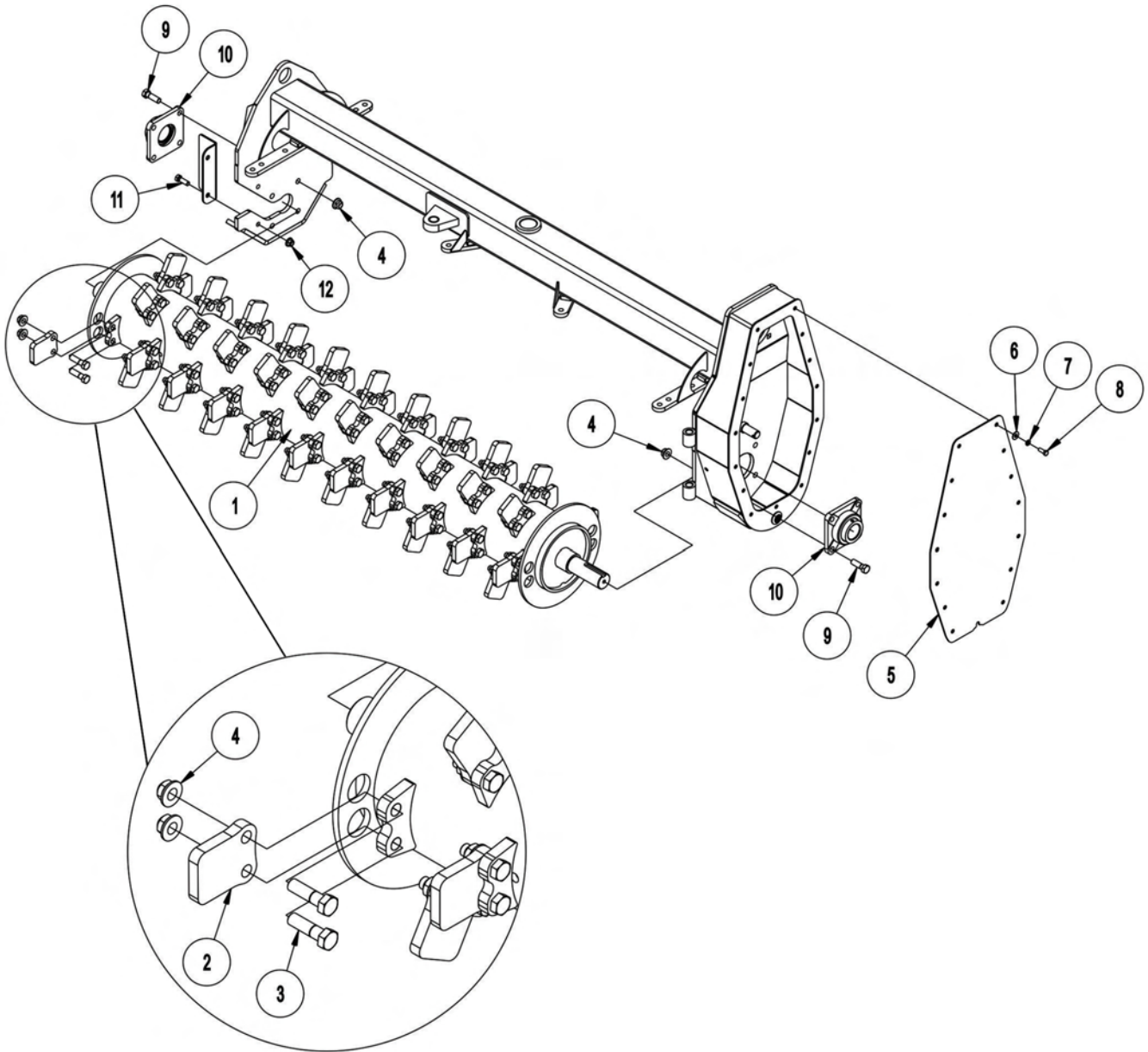
SMR600 - CHAIN CASE - REV 2015-09**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	250-019	18	BOLT 3/8X1-1/4 UNC GR5 PLATED
2	255-013	18	LOCKWASHER 3/8"
3	256-017	15	WASHER 3/8"
4	R500-107	1	CHAIN CASE COVER
5	902-012	1	KEY 1/2 X 1/2 X 2-3/16
8	312-835	1	BUSHING SPLIT 2"BOREX1/2"K/W
9	312-837	1	SPROCKET 80Q25 4-1/8"TAPEDED
10	311-802	1	OFFSET LINK ANSI #80-1 SINGLE
11	311-801	1	CONNECTOR LINK ANSI #80-1 SING
12	310-830	1	#80 ROLLER CHAIN, 30 LINK, 62"
13	352-101	1	FLANGE BEARING 2" BORE COMPL.
14	257-114	1	STAINLESS STEEL 1/2 NPTF PIPE, PLUG
15	250-090	4	BOLT 5/8 X 2 UNC GR5 PLATED
16	257-062	4	LOCKING FLANGE NUT 5/8"
17	273-105	1	SMR-800 GREASE HOSE KIT (INCLUDES #'S 17-21)
18	108-126	1	GREASE ELBOW (COMES WITH 273-105)
19	108-122	1	ADAPTER G 1/8"M- 1/8" NPTF (COMES WITH 273-105)
20	111-403	1	3/16 HOSE 1/4JICX1/4JIC 6-1/2LG (COMES WITH 273-105)
21	108-121	1	BULKHEAD FITTING LINCOLN 14054 (COMES WITH 273-105)
22	273-006	1	GREASE NIPPLE SELF-TAP 1/4-28 (COMES WITH 273-105)
23	271-005	1	COTTER PIN 3/16 X 1-1/2
24	257-002	2	NUT 1/2 " UNC
25	270-001	2	LOCKNUT 3/4 UNC PLATED
26	250-0481	1	BOLT 1/2 X 4 UNC GR5 ALL THREAD
27	R500-109	2	IDLER TENSIONER
28	256-060	14	MACHINE BUSHING 3/4X1-1/4X10GA
29	313-801	2	IDLER STEEL 11T#80 3/4"ID
30	256-059	2	MACHINE BSHG1-1/32X2-1/16X14GA
31	R500-151	1	TIGHTENER BRACKET OUTER
32	R500-150	1	TIGHTENER BRACKET INNER
33	250-144	2	BOLT 3/4 X 4-1/2 UNC GR5 PLATED



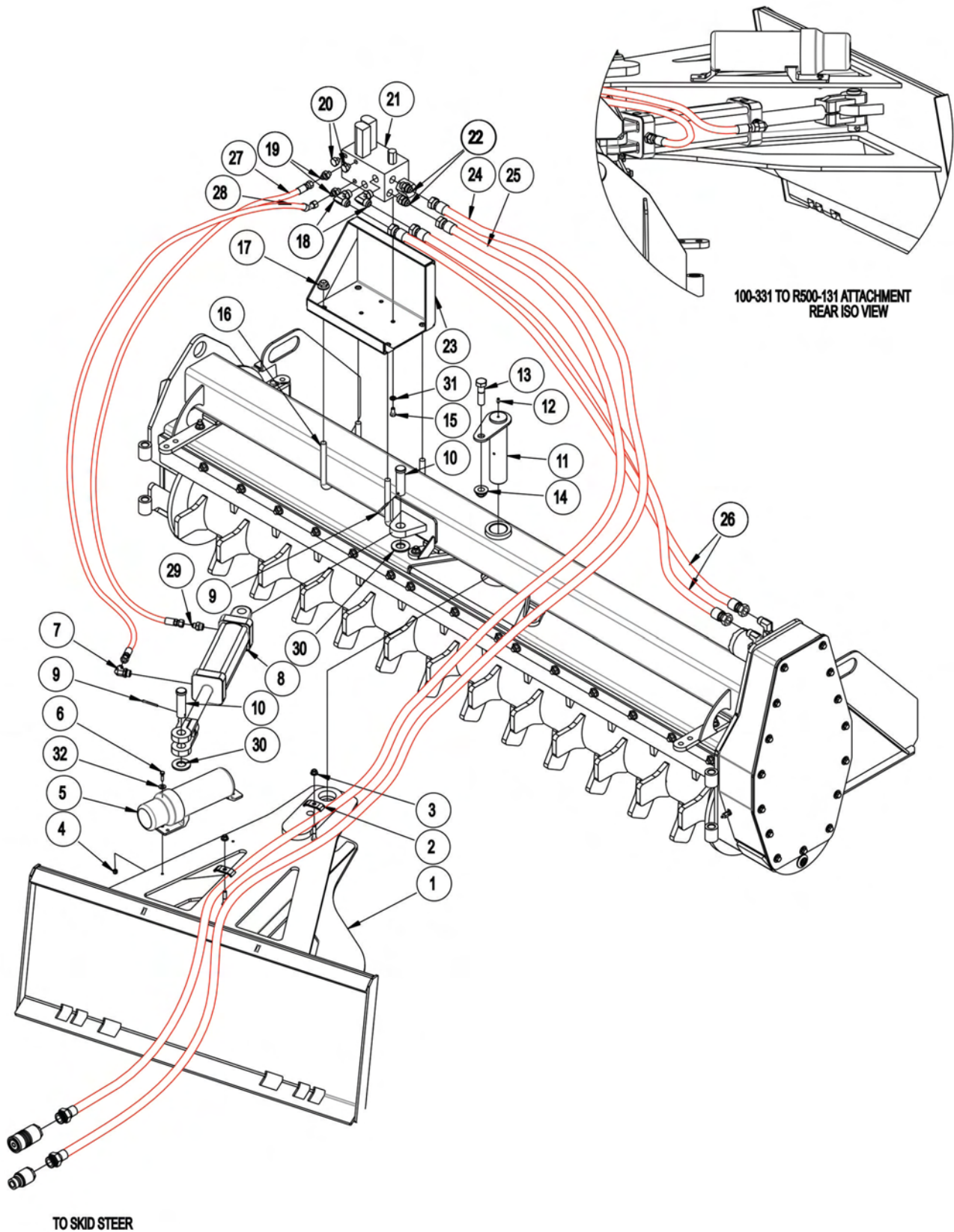
SMR600 - STANDARD WHEELS - REV 2015-09**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	R300-120	2	CASTOR FORK
2	R700-162	2	CASTOR ARM
3	256-056	2	MACHINE BUSHING
4	250-135	2	BOLT, 3/4" X 10" UNC GR5 PLATED
5	257-065	2	LOCKING FLANGE NUT, 3/4"
6	257-062	8	LOCKING FLANGE NUT, 5/8"
7	262-005	2	ROLL PIN, 3/8" X 2-1/2"
8	258-126	4	U-BOLT, 5/8" X 5-1/16" X 6-1/4"
9	273-006	4	GREASE NIPPLE, SELF-TAP 1/4-28
10	210-179	2	TIRE ASSEMBLY



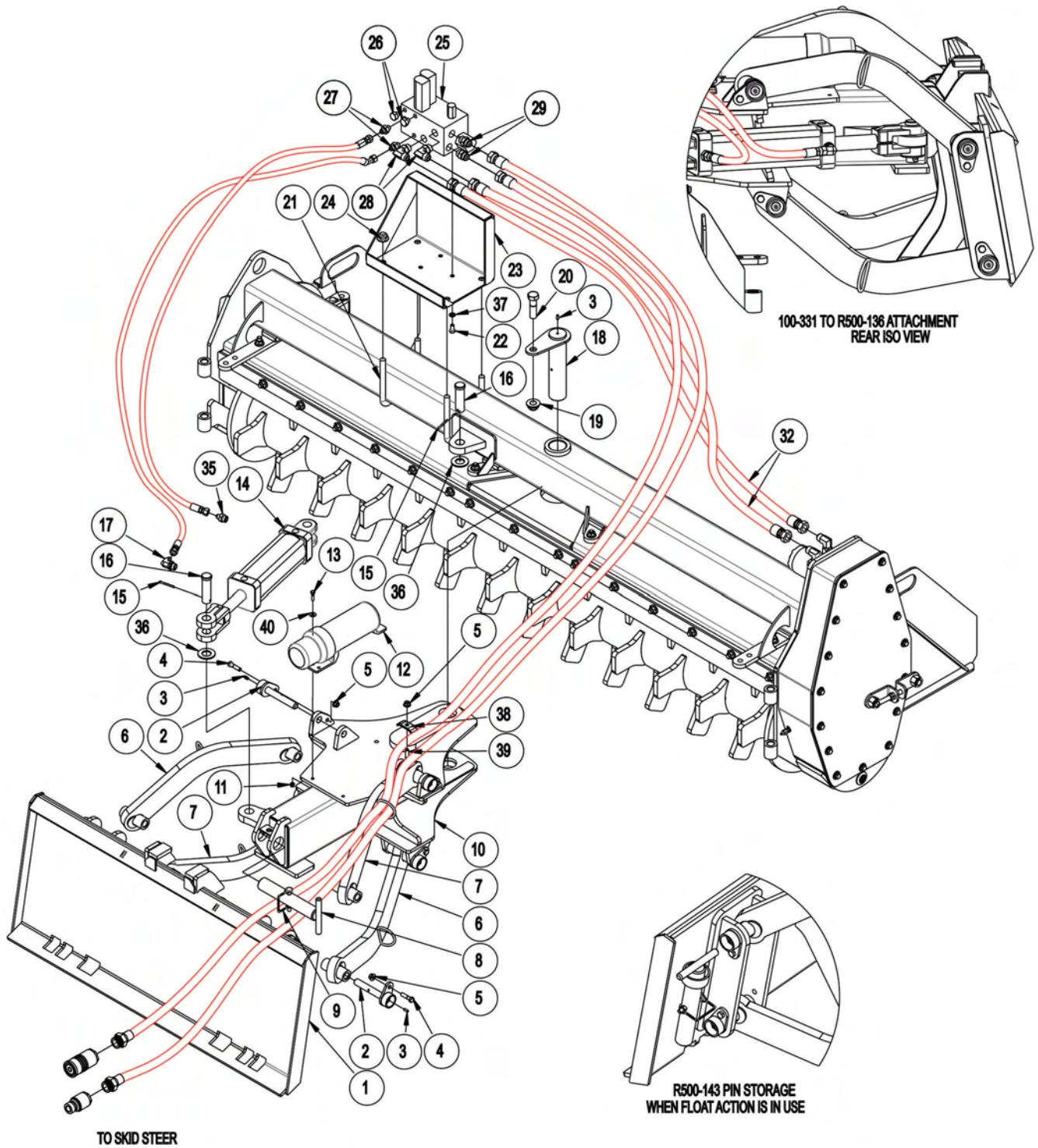
SMR600 - STANDARD DRUM - REV 2015-09**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	R700-116	1	DRUM
2	R700-200	62	REPLACEABLE TOOTH
3	250-0891	124	BOLT, 5/8" X 2-1/4", 1" SHANK
4	257-062	132	LOCKING FLANGE NUT, 5/8"
5	R500-107	1	CHAIN CASE COVER
6	256-017	15	WASHER, 3/8"
7	255-013	15	LOCKWASHER, 3/8"
8	250-018	15	BOLT, 3/8" X 1" UNC GR5 PLATED
9	250-090	8	BOLT, 5/8" X 2" UNC GR5 PLATED
10	352-101	2	FLANGE BEARING, 2" BORE
11	250-059	2	BOLT, 1/2" X 1-1/2" UNC GR5 PLATED
12	257-060	2	LOCKING FLANGE NUT, 1/2"



SMR600 - ROTATING MOUNT - REV 2015-09**Continued...**

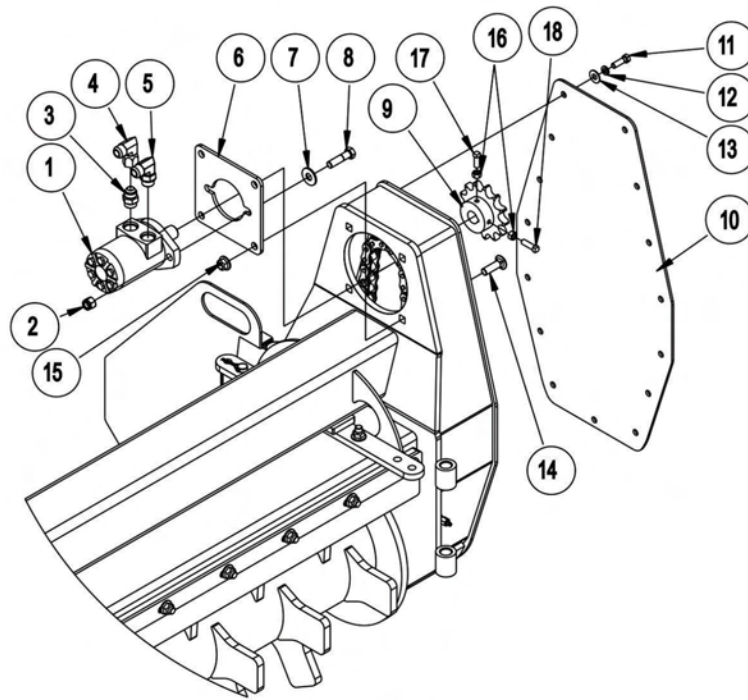
ITEM	PART NO.	QTY.	DESCRIPTION
1	R500-131	1	PIVOT MOUNT, ROTATING DRUM
2	C000-001	2	HOSE AND TUBE CLAMP 1/2"
3	257-059	2	LOCKING FLANGE HX NUT 3/8" PL.
4	270-025	3	LOCKNUT, 1/4" UNC, PLATED
5	280-201	1	PLASTIC MANUAL STORAGE CANNISTER
6	250-002	3	BOLT 1/4" X 1" UNC GR5 PLATED
7	108-069	1	ELBOW 90 DEG 8MORB X 6MJIC
8	100-331	1	HYDRAULIC CYLINDER 25TX08-112 ORB 90 DEG
9	271-005	2	COTTER PIN 1/4" X 1-1/2"
10	302-015	2	CLEVIS PIN 1" X 2-7/8" U.L PL.
11	R500-133	1	PIVOT PIN
12	273-006	1	GREASE NIPPLE SELF-TAP 1/4-28
13	250-1131	1	BOLT 3/4" X 2-3/4" UNC GR5 PLATED
14	257-065	1	3/4" LOCKING FLANGE NUT
15	250-017	3	BOLT 3/8" X 3/4" UNC GR5 PLATED
16	258-126	2	U-BOLT 5/8" X 5-1/16" X 6-1/4"
17	257-062	4	LOCKING FLANGE NUT 5/8" UNC
18	108-123	2	HYDRAULIC FITTING #12 MORB TO #10 MJIC 90 DEG
19	108-079	2	HYDRAULIC FITTING #6 MORB TO #6 MJIC
20	108-125	2	PLUG, #6 MORB
21	127-032	1	SOIL CONDITIONER CONTROL VALVE
22	108-077	2	HYDRAULIC FITTING #12 MORB TO #10 MJIC
23	R500-206	1	VALVE BLOCK MOUNT
24	111-399	1	5/8" HOSE #10JFIC MALE FLAT FACED COUPLER
25	111-398	1	5/8" HOSE #10JFIC FEMALE FLAT FACED COUPLER
26	111-400	2	5/8" HOSE #10FJIC X #10FJIC
27	111-401	1	1/4" HOSE #6FJIC X #6FJIC
28	111-402	1	1/4" HOSE #6FJIC 45 DEG X #6JFIC
29	108-106	1	ADAPTER 6 MJIC X 8 MORB
30	256-001	2	WASHER 1" 1-1/16"IDX2" OD SAE
31	255-013	3	LOCKWASHER 3/8"
32	256-018	2	WASHER, 1/4"



SMR600 - FLOATING MOUNT - REV 2015-09

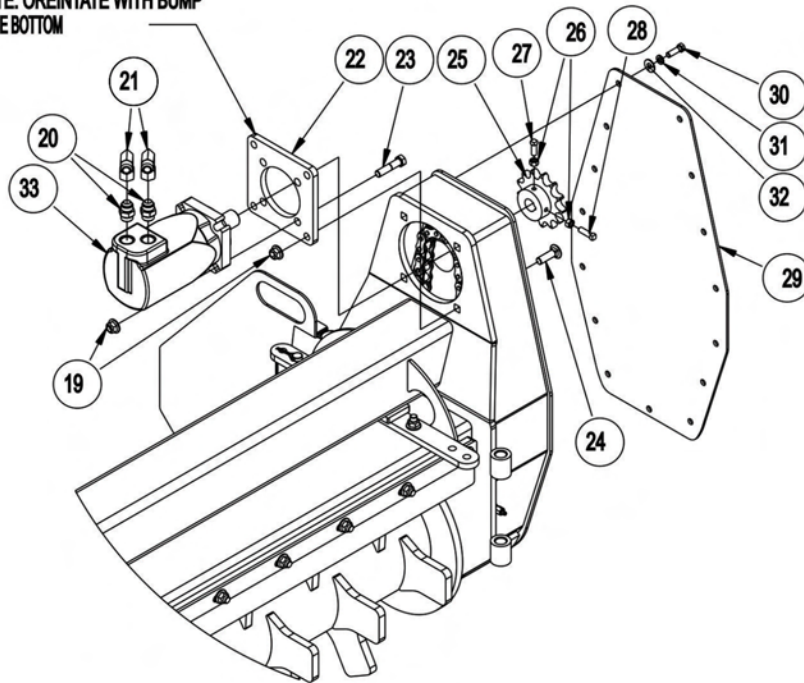
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	R500-136	1	FLOATING MOUNT
2	R500-141	8	PARALLEL LINK PIN, 3/4"
3	273-006	8	GREASE NIPPLE SELF-TAP 1/4-28
4	250-020	8	BOLT, 3/8" X 1-1/2" UNC GR5 PLATED
5	257-059	9	LOCKING FLANGE NUT, 3/8" PLATED
6	R500-172	2	FLOATING LINK, LEFT
7	R500-171	2	FLOATING LINK, RIGHT
8	R500-143	1	LOCKUP PIN
9	302-030	1	QUICK PIN, 3/8" X 2-1/4"
10	R500-137	1	FLOATING MOUNT PIVOT
11	270-025	2	LOCKNUT, 1/4" UNC, PLATED
12	280-201	1	PLASTIC MANUAL STORAGE CANNISTER
13	250-002	2	BOLT, 1/4" X 1" UNC GR5 PLATED
14	100-331	1	HYDRAULIC CYLINDER
15	271-005	2	COTTER PIN, 1/4" X 1-1/2"
16	302-015	2	CLEVIS PIN, 1" X 2-7/8" U.L. PL.
17	108-069	2	ELBOW, 90 DEG 8MORB X 6MJIC
18	R500-133	1	PIVOT PIN
19	257-065	1	LOCKING FLANGE NUT, 3/4"
20	250-1131	1	BOLT, 3/4" X 2-3/4" UNC GR5 PLATED
21	258-126	2	U-BOLT, 5/8" X 5-1/16" X 6-1/4"
22	250-017	3	BOLT, 3/8" X 3/4" UNC GR5 PLATED
23	R500-206	1	VALVE BLOCK MOUNT
24	257-062	4	LOCKING FLANGE NUT, 5/8" UNC
25	127-032	1	SOIL CONDITIONER CONTROL VALVE
26	108-125	2	PLUG, #6 MORB
27	108-079	2	HYDRAULIC FITTING #6 MORB TO #6 MJIC
28	108-123	2	HYDRAULIC FITTING #12 MORB TO #10 MJIC 90 DEG
29	108-077	2	HYDRAULIC FITTING #12 MORB TO #10 MJIC
30	111-398	1	5/8" HOSE #10JFIC FEMALE FLAT FACED COUPLER
31	111-399	1	5/8" HOSE #10JFIC MALE FLAT FACED COUPLER
32	111-400	2	5/8" HOSE #10FJIC X #10FJIC
33	111-401	1	1/4" HOSE #6FJIC X #6FJIC
34	111-402	1	1/4" HOSE #6FJIC 45 DEG X #6JFIC
35	108-106	1	ADAPTER, 6 MJIC X 8 MORB
36	256-001	2	WASHER, 1" 1-1/16"ID X 2" OD SAE
37	255-013	3	LOCKWASHER, 3/8"
38	C000-001	1	HOSE AND TUBE CLAMP, 1/2"
39	250-026	1	BOLT, 3/8" X 2-1/2" UNC GR5 PL.
40	256-018	2	WASHER, 1/4"



**LOW FLOW DRIVE
8.0 CU. IN. MOTOR**

**NOTE: ORIENTATE WITH BUMP
AT THE BOTTOM**

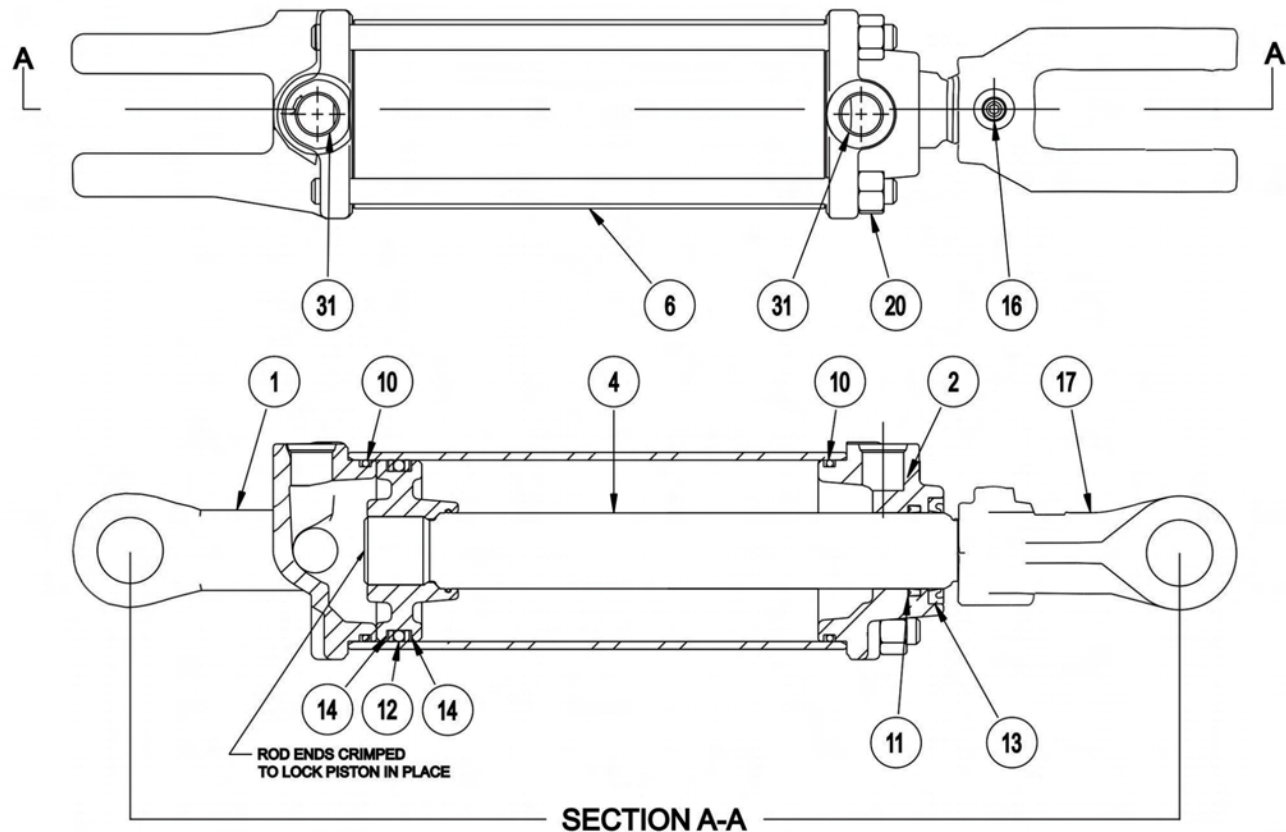


**HIGH FLOW DRIVE
9.9 CU.IN., 15.0 CU.IN., 19.0 CU.IN.
AND 24.0 CU. IN. MOTORS**

SMR600 - DRIVE OPTIONS - REV 2015-09

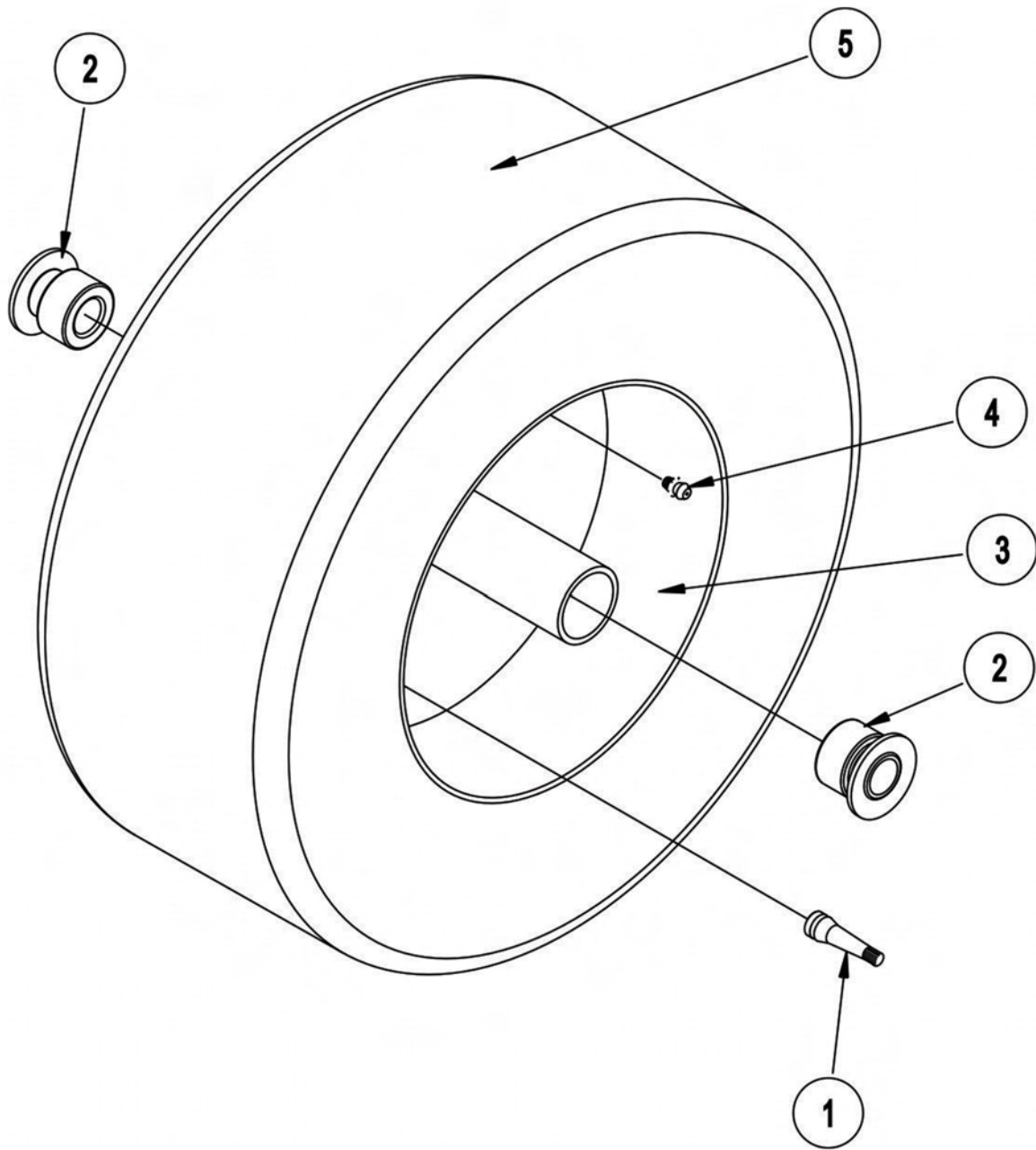
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
LOW FLOW DRIVE OPTION			
1	116-902	1	HYDRAULIC MOTOR 8.0 CU IN #10 ORB
2	270-007	2	LOCKNUT 1/2 UNC PLATED
3	108-024	1	ADAPTER 3/8 NPT X 3/4-16 JIC 37DEG
4	108-078	1	HYDRAULIC FITTING 10FJIC-10MJIC 90DEG
5	108-104	1	HYDRAULIC FITTING 10MORB X 10MJIC 90DEG
6	R500-216	1	MOTOR MOUNT, 2000
7	256-011	2	WASHER 1/2 AS A 9/16 X 1-3/8 X .109
8	250-057	2	BOLT 1/2 X 2 UNC GR5
9	312-865	1	SPROCKET, 80-13X1, 1" BORE
10	R500-107	1	CHAIN CASE COVER
11	250-019	15	BOLT 3/8X1-1/4 UNC GR5 PLATED
12	255-013	15	LOCKWASHER 3/8"
13	256-017	15	WASHER 3/8"
14	250-0681	4	CARRIAGE BOLT 1/2 X 1-3/4"
15	257-060	4	LOCKING FLANGE NUT 1/2"
16	257-032	2	NUT, 3/8", UNC
17	268-004	1	SET SCREW, 3/8" X 1" UNC, ALLEN HEAD, CUP POINT
18	268-013	1	SET SCREW, 3/8" X 1-1/4" UNC, ALLEN HEAD, CUP POINT
-	-	-	
HIGH FLOW DRIVE OPTIONS			
19	257-060	8	LOCKING FLANGE NUT 1/2"
20	108-077	2	HYDRAULIC FITTING #12MORB TO #10MJIC
21	108-078	2	HYDRAULIC FITTING 10FJIC-10MJIC 90DEG
22	R500-221	1	MOTOR MOUNT, 4000
23	250-0542	4	BOLT 1/2X2-1/4 UNC GR5 PLATED
24	250-0681	4	CARRIAGE BOLT 1/2 X 1-3/4"
25	312-825	1	SPROCKET 80B11 1-1/4" BORE
26	257-032	2	NUT, 3/8", UNC
27	268-004	1	SET SCREW, 3/8" X 1" UNC, ALLEN HEAD, CUP POINT
28	268-013	1	SET SCREW, 3/8" X 1-1/4" UNC, ALLEN HEAD, CUP POINT
29	R500-107	1	CHAIN CASE COVER
30	250-019	15	BOLT 3/8X1-1/4 UNC GR5 PLATED
31	255-013	15	LOCKWASHER 3/8"
32	256-017	15	WASHER 3/8"
33	116-905	1	HYDRAULIC MOTOR 15.0 CU IN #12ORB
	116-906	1	HYDRAULIC MOTOR 9.9 CU IN #12ORB
	116-907	1	HYDRAULIC MOTOR 19.0 CU IN #12ORB
	116-908	1	HYDRAULIC MOTOR 24.0 CU IN #12ORB



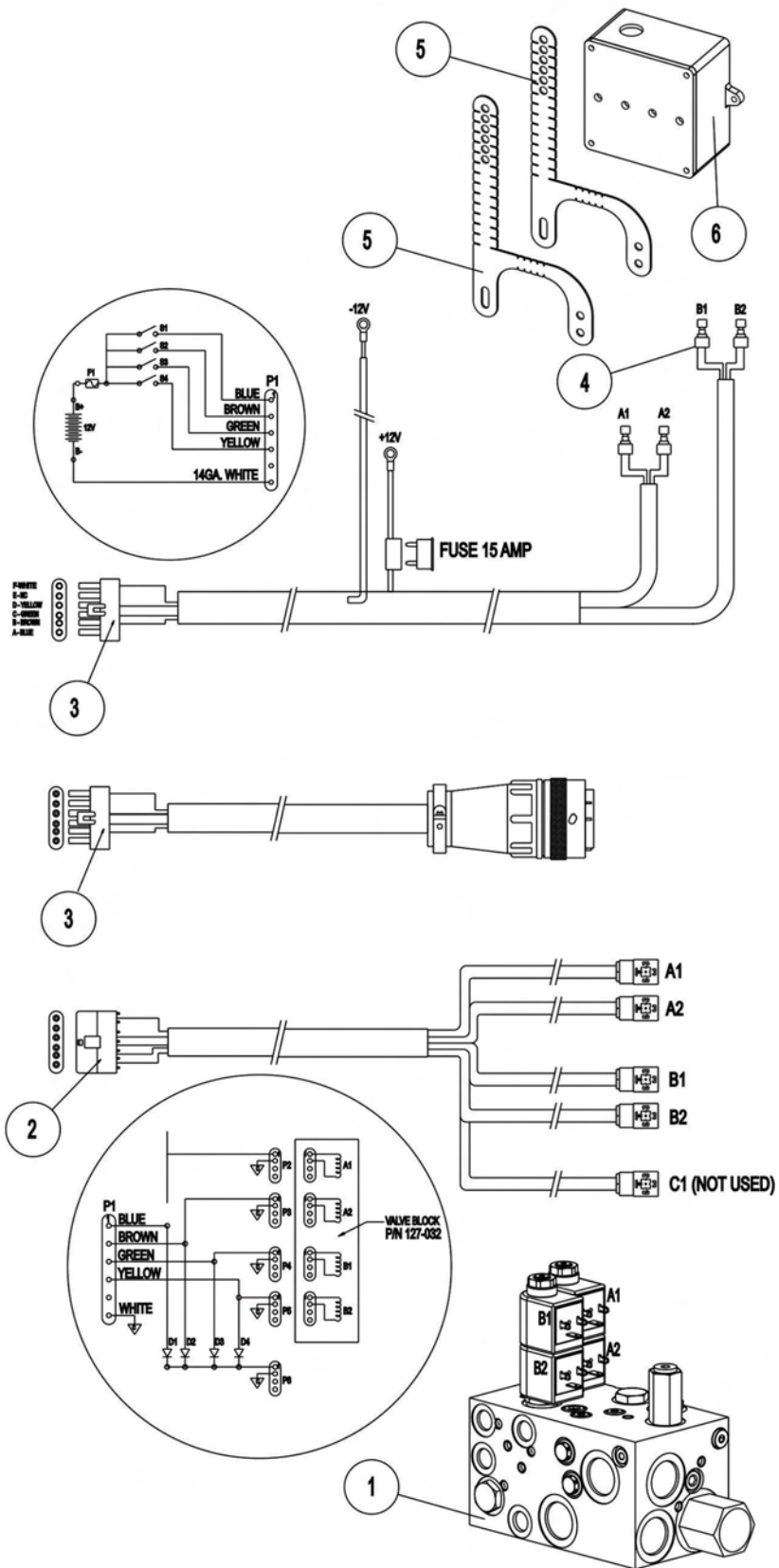
9 SEAL KIT CONTAINS: 11 14 12 10 13

ITEM	PART NO.	QTY.	DESCRIPTION
1	101-288	1	CLEVIS CAP 2-1/2"
2	101-289	1	ROD CAP 2-1/2"
4	101-290B	1	TX PISTON ROD 2.50 - 8.00 - 1.13
6	101-368	4	TIE ROD 3/8-08-TX
9	101-295	1	SEAL KIT 2-1/2 X 14
16	101-179	1	SET SCREW 3/8 UNC ONE PIECE
17	101-294	1	ROD CLEVIS
20	257-032	4	HEX NUT 3/8 UNC GRADE 5
31	101-244	1	PLUG ORB
	100-331	1	HYD CYL 25TX08-112 ORB 90 DEG



ITEM	PART NO.	QTY.	DESCRIPTION
1	211-014	1	VALVE STEM
2	207-061A	2	WHEEL BEARING
3	201-017	1	RIM
4	273-012	1	GREASE NIPPLE
5	210-012	1	TIRE
	210-179	-	TIRE & RIM COMPLETE

SMR600 - WIRING HARNESS - REV 2015-09



SMR600 - WIRING HARNESS - REV 2015-09**Continued...**

ITEM	PART NO.	QTY.	DESCRIPTION
1	127-032	1	SOIL CONDITIONER CONTROL VALVE
2	277-009	1	ELECTRICAL HARNESS
3	R500-330	1	INTERFACE HARNESS, CNH
	276-331	1	HARNESS ASSY, INTERFACE, CNH (COMES W/ R500-330)
	-	-	OR
3	R500-335	1	INTERFACE HARNESS, CAT 14
	276-332	1	HARNESS ASSY, INTERFACE, CAT 14 (COMES W/ R500-335)
	-	-	OR
3	R500-340	1	INTERFACE HARNESS, JOHN DEERE
	276-333	1	HARNESS ASSY, INTERFACE, JOHN DEERE (COMES W/ R500-340)
	-	-	OR
3	R500-345	1	ELECTRIC HARNESS, SWITCH BOX
	277-008	1	ELECTRICAL WIRES/ HARNESS/ SWITCHES (COMES W/ R500-345)
4	275-130	4	SWITCH, PUSH BUTTON, NKK (COMES W/ 277-008)
5	B620-161	2	SWITCH MOUNT BRACKET, BOLT ON (COMES W/ R500-345)
6	276-321	1	SWITCH BOX, ELECTRICAL, BX SKID STEER BLOWERS (COMES W/ R500-345)
7	250-0021	2	BOLT 1/4 X 3/4 (NOT SHOWN) (COMES W/ R500-345)
8	270-025	2	LOCKNUT 1/4 (NOT SHOWN) (COMES W/ R500-345)



NESSA
www.nessainc.com

**73747 130TH ST
ZEARING IA 50276
☎ 641-487-7608
INFO@NESSAINC.COM
WWW.NESSAINC.COM**