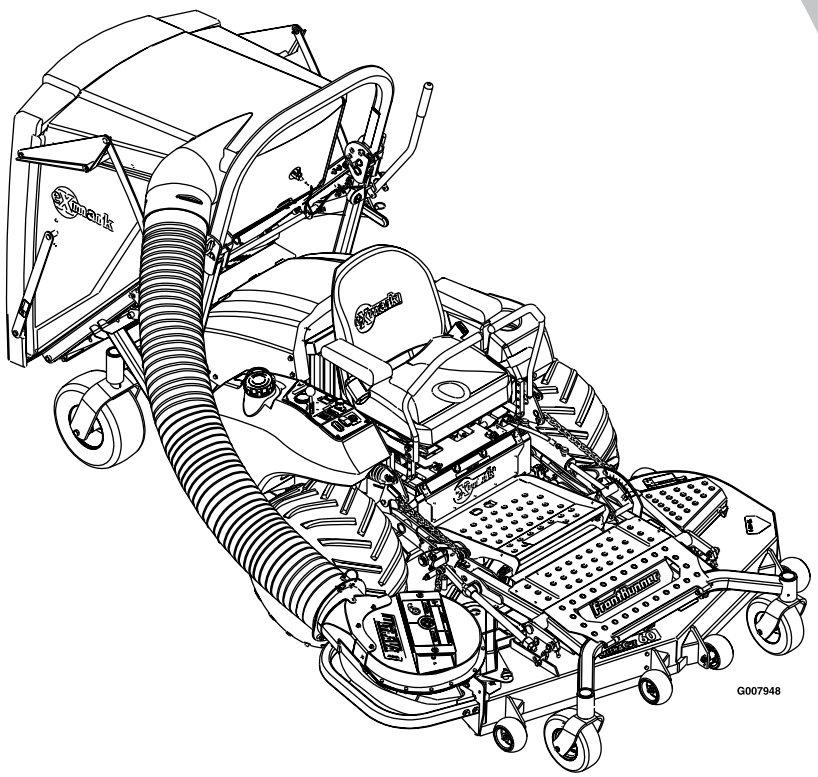
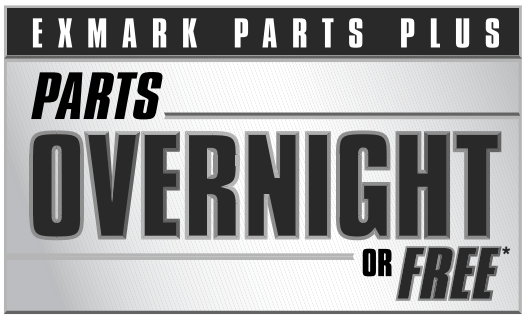
eXmark®



ULTRA VAC® QDS
FRONTRUNNER™ MODELS

Parts Manual

For Serial Nos.
720,000 & Higher
Part No. 4500-275 Rev. A



If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

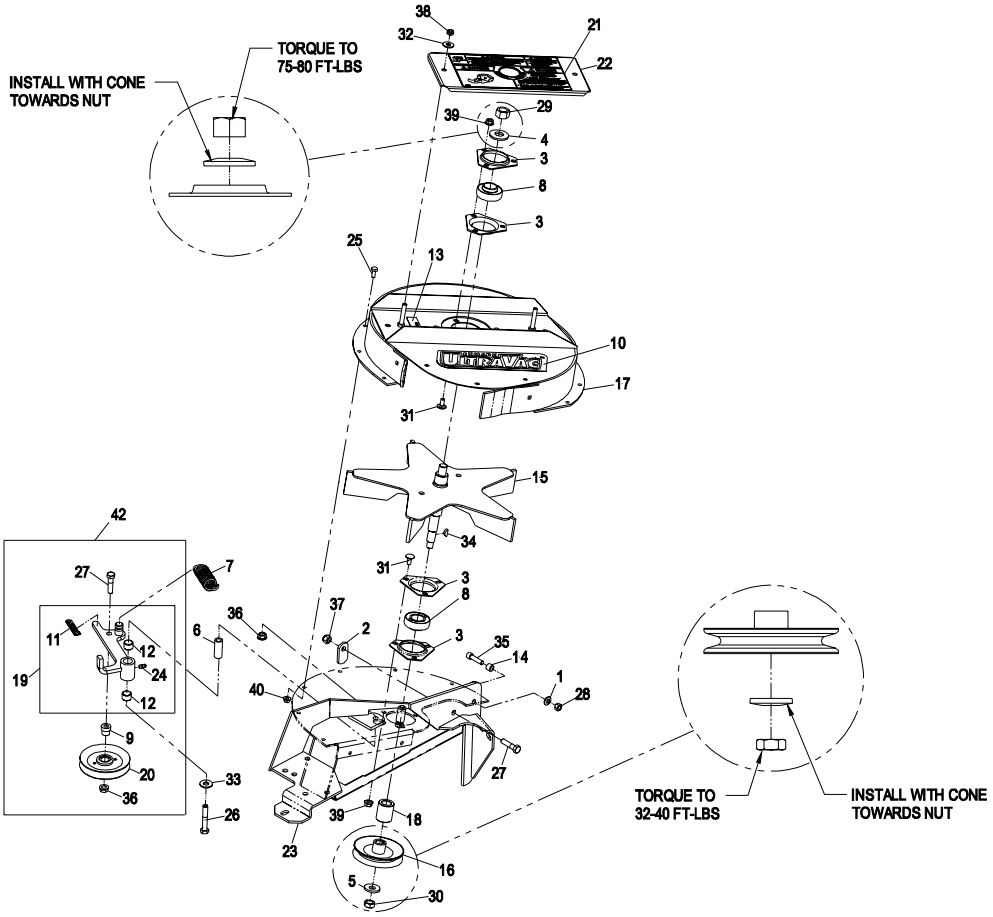
⚠ WARNING

READ OPERATOR'S MANUAL BEFORE
OPERATING OR SERVICING EXMARK EQUIPMENT

TABLE OF CONTENTS

Description	Page
Blower Assembly	3-4
Decals	10
Door Linkage	7
Electrical Diagram	11
Fill Sensor	9
Mounting Components	8
Hopper Door	5
Hopper and Frame	6

BLOWER ASSEMBLY



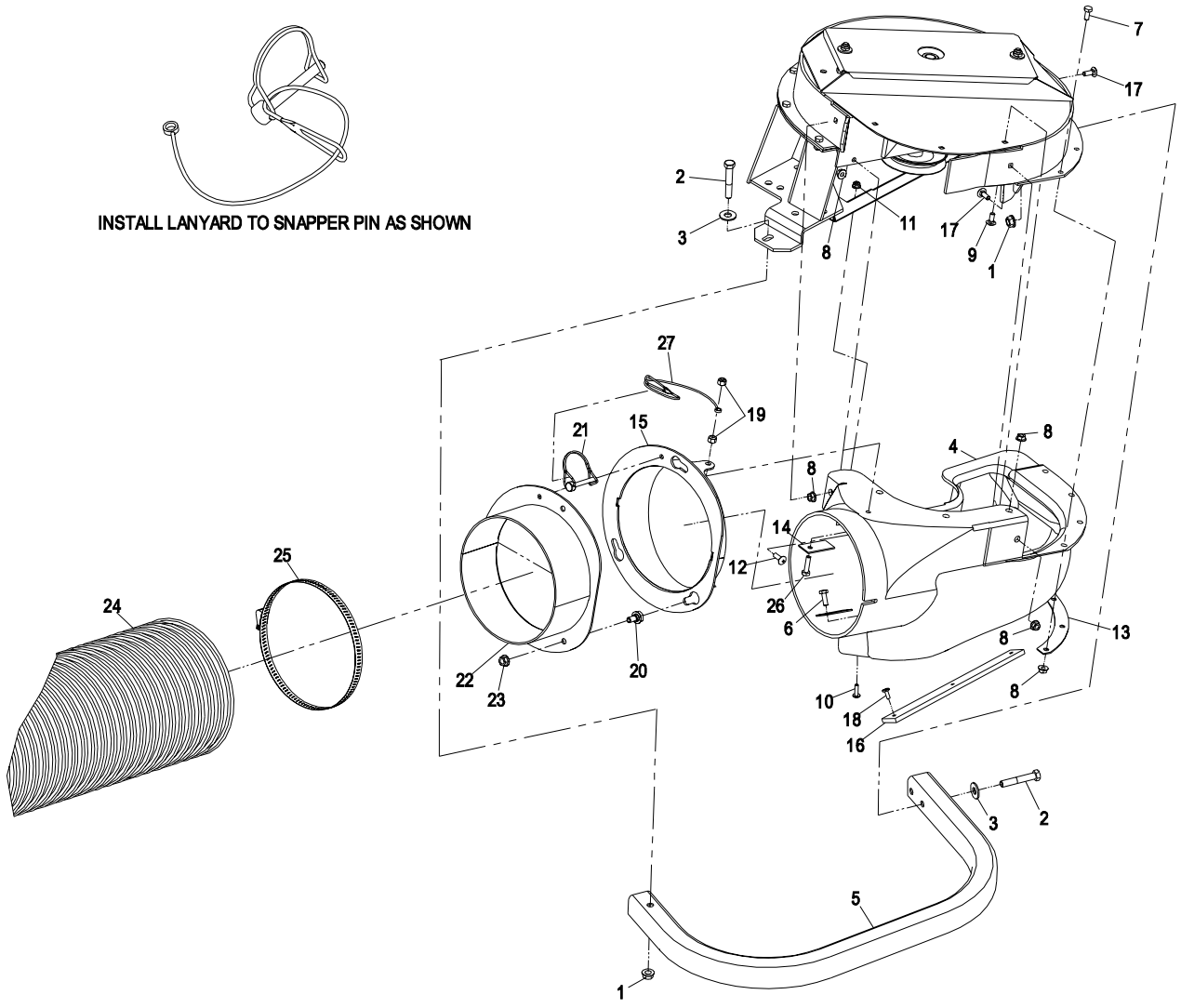
Item	Part No.	Description	Qty.
1	1-303334	Washer, Spring Disk 5/16	1
2	1-353054	Latch, Grass Catcher	1
3	1-513013	Housing, Flange	4
4	1-513208	Washer, Spring Disk 5/8	1
5	1-513435	Washer, Spring Disk 1/2	1
6	1-603044	Bushing, Idler Pivot	1
7	1-653331	Spring	1
8✚	1-653346	Bearing	2
9	1-653367	Hub, Spacer	1
10	1-653557	Decal, Ultravac	1
11	1-653558	Decal, Hot Sheave	1
12	1-653600	Bearing	2
13	98-5954	Decal-Danger	1
14	103-0126	Bushing	1
15	103-0455	Wld, Impeller	1
16✚	103-0456	Sheave, Blower	1
17	103-3593	Wld, Upper Housing	1
18	103-0460	Spacer	1
19	103-0448	Asm, Idler W/Bearings, Decal, & Zerk	1
20	103-0483	Idler, Inside	1
21	109-5890	Decal, Warning	1

Item	Part No.	Description	Qty.
22	103-3583	Asm, Bearing Cover W/Decal	1
23	109-1133-03	Wld, Blower Mount	1
24	302-19	Zerk, 1/4-28 Str	1
25	321-3	Screw, HH 1/4-20 x 5/8	6
26	323-11	Screw, HH 3/8-16 x 2 1/4	1
27	323-8	Screw, HH 3/8-16 x 1 1/2	2
28	3217-6	Nut, Hex 5/16-18	1
29	3219-6	Nut, Hex 5/8-18	1
30	3220-5	Nut, Jam 1/2-20	1
31	3230-18	Bolt, Carriage 5/16-18 x 5/8	6
32	3256-3	Washer, 5/16 Std	2
33	3256-4	Washer, 3/8 Std	1
34	3257-32	Key, Woodruff 3/16 x 5/8	1
35	3274-18	Screw, SH 5/16-18 x 1 1/4	1
36	3290-357	Nut, Whizlock 3/8-16	2
37	3296-39	Nut, Nyloc 3/8-16	1
38	3296-47	Nut, Nyloc 5/16-18 Thin	2
39	32128-20	Nut, Whizlock 5/16-18	6
40	32128-33	Nut, Whizlock 1/4-20	6
41	109-5278	Asm, Blower FRUVD	1
42	103-0459	Asm, Idler	1

Exmark black touch up spray paint – gloss black.

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) on bore of sheave and bearings.

BLOWER ASSEMBLY – (cont.)

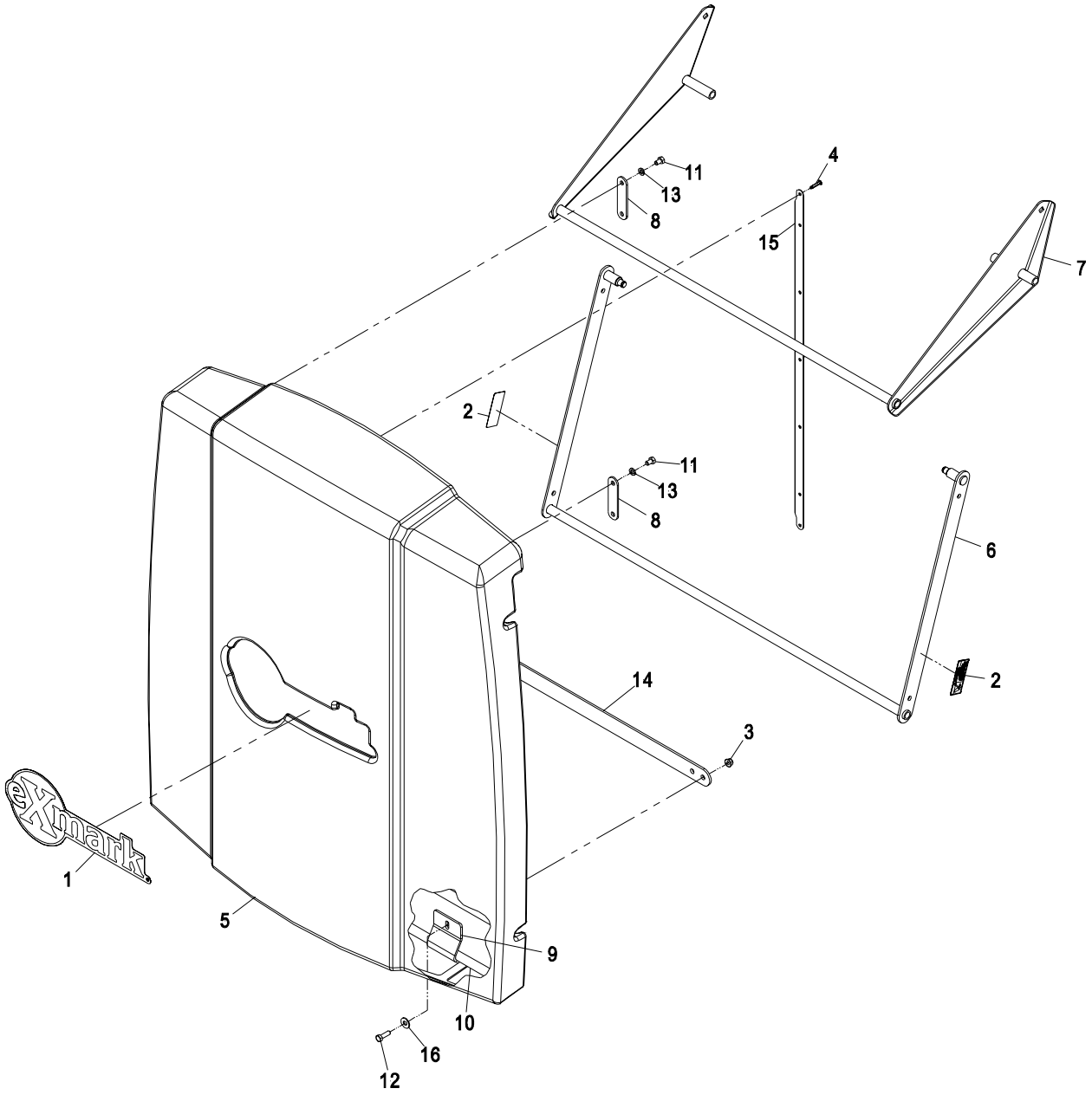


Item	Part No.	Description	Qty.
1	3290-357	Nut, Whizlock 3/8-16	3
2	323-11	Screw, HH 3/8-16 x 2 1/4	3
3	3256-4	Washer, 3/8 Std	3
4▲	103-4759	Chute, Blower	1
5	103-0458-01	Bumper	1
6	321-4	Screw, HH 1/4-20 x 3/4	1
7	321-3	Screw, HH 1/4-20 x 5/8	4
8	32128-33	Nut, Whizlock 1/4-20	11
9	3229-11	Bolt, Carriage 1/4-20 x 5/8	3
10	1-803075	Screw, Truss Head #10-24 X 3/4	3
11	3290-148	Nut, Whizlock #10-24	3
12	1-803076	Screw, PPH 1/4-20 x 3/4	2
13	103-0461-03	Plate, Blower Backing	1
14	103-3093	Plate, Backing	2

Item	Part No.	Description	Qty.
15	109-4976-03	Wld, FRUVD Blower Adapter	1
16	103-4751-03	Plate, Reinforcement Large	1
17	3229-1	Bolt, Carriage 1/4-20 x 3/4	2
18	114439	Rivet	3
19	3296-42	Nut, Nyloc 1/4-20	3
20	37-8771	Screw, Shoulder 5/16-18 x 5/8	3
21	100-1663	Pin	1
22	109-4973-03	Wld, FRUVD Hose Adapter	1
23	32128-20	Nut, Whizlock 5/16-18	3
24	109-4918	Hose, FRUVD	1
25	VAC11400	Clamp - Hose, 8"	1
26	321-8	Screw, HH 1/4-20 x 1 1/4	1
27	100-9385	Lanyard	1

Exmark black touch up spray paint – gloss black.
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140)
▲ Includes items: 16 & 18

HOPPER DOOR

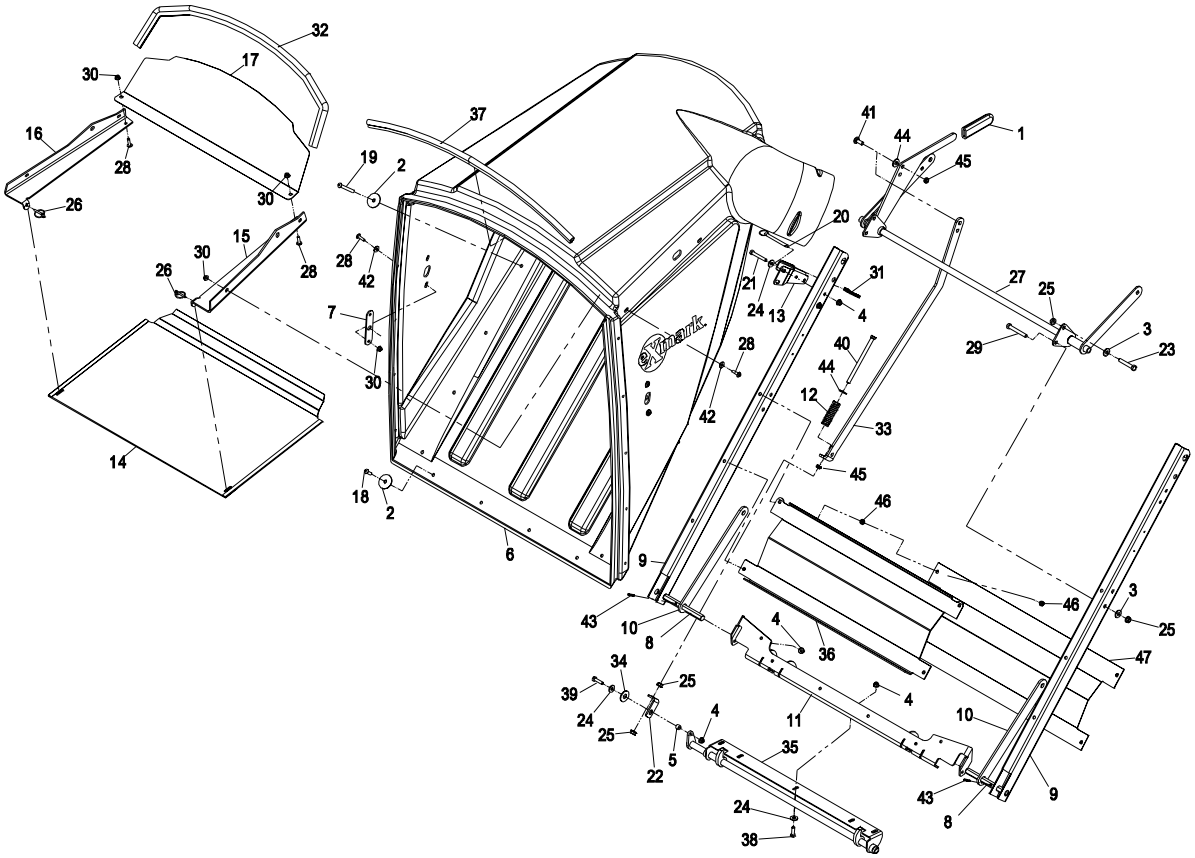


Item	Part No.	Description	Qty.
1	103-6024	Decal, Exmark Logo	1
2	103-8444	Decal, Pinch Point	2
3	104-8300	Nut, Nyloc 5/16-18 Flg	2
4	1-803072	Rivet	14
5	109-5267	Asm, Door W/Decal	1
6	109-6807	Asm, Door Lower Pivot W/Decal	1
7	109-4660 -03	Wld, Door Upper Pivot	1
8	109-4671 -03	Strap, Door Pivot	4

Item	Part No.	Description	Qty.
9	109-5553-03	Plate, Door Latch	2
10	109-5554-03	Tube, Door	1
11	322-1	Screw, HH 5/16-18 x 1/2	8
12	322-5	Screw, HH 5/16-18 x 1	2
13	3253-4	Washer, Lock 5/16	8
14	109-5561 -03	Plate, Door Reinforcement	1
15	109-6806	Asm, Door Brace	1
16	3256-3	Washer, 5/16 Std	2

Exmark black touch up spray paint – gloss black.

HOPPER AND FRAME



Item	Part No.	Description	Qty.
1	1-633268	Grip, Brake Lever	1
2	1-653036	Washer	12
3	98-5975	Washer, Spring Disk 3/8	4
4	104-8300	Nut, Nyloc 5/16-18 Flg	16
5	103-0126	Bushing	1
6	109-4385	Hopper, 12 Bushel	1
7	109-4664-03	Plate, Lower Pivot Backing	2
8	109-6451	Shaft, .625 Hex	2
9	109-6477-03	Tube, Hopper Frame	2
10	109-4738-03	Link, Hopper Pivot	2
11	109-6476-03	Wld, Hopper Bottom Angle	1
12	109-2230	Spring, Compression	1
13	109-4768-03	Bracket, Handle Storage	1
14	109-4805-03	Screen, Hopper	1
15	109-4806-03	Angle, RH Screen Supt	1
16	109-4807-03	Angle, LH Screen Supt	1
17	109-4808-03	Baffle, Fr Hopper Screen	1
18	109-4872	Screw, HSPH 5/16-18 x 1	4
19	109-4873	Screw, HSPH 5/16-18 x 3	8
20	105-1647	Pin, Hitch Cotterless	1
21	322-11	Screw, HH 5/16-18 x 2 1/4	2
22	109-0130	Link, Brake	1
23	323-11	Screw, HH 3/8-16 x 2 1/4	3
24	3256-3	Washer, 5/16 Std	8

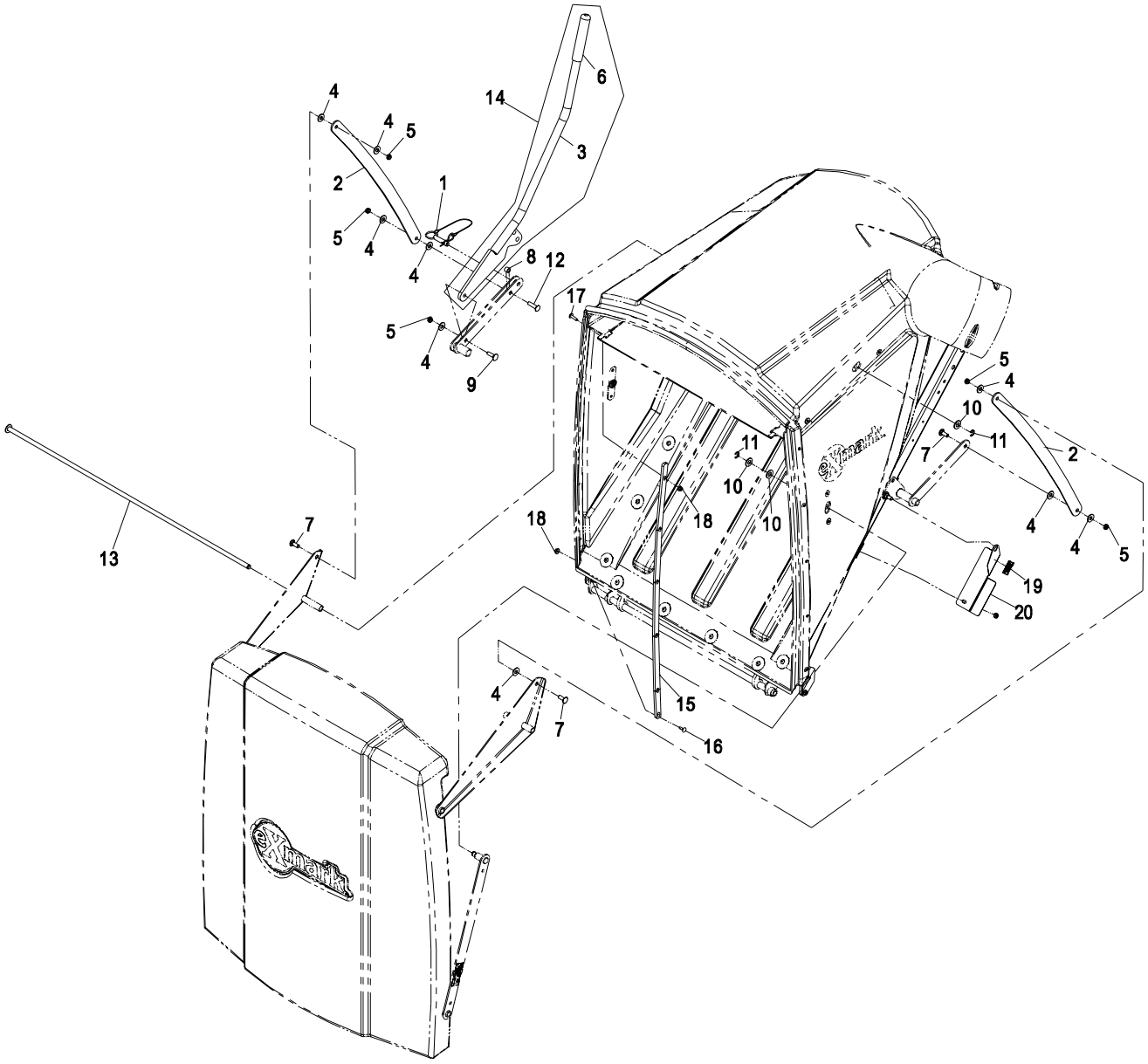
Item	Part No.	Description	Qty.
25	3290-357	Nut, Whizlock 3/8-16	6
26	3290-495	Pin, Klik	2
27	109-4667-03	Wld, Fr Door Handle	1
28	32105-32	Screw, Truss HD 1/4-20 x 1	10
29	323-13	Screw, HH 3/8-16 x 2 3/4	1
30	32128-33	Nut, Whizlock 1/4-20	10
31	105-7699	Strip-Seal, 3"	1
32	109-5852	Seal, Trim 38.00	1
33	109-5545-03	Link, Latch	1
34	3256-6	Washer	1
35	109-5552-03	Wld, Latch	1
36	109-6733-03	Shield, Inner Heat	1
37	109-5854	Seal, Side Trim 34.50 X .19	1
38	322-5	Screw, HH 5/16-18 x 1	5
39	322-6	Screw, HH 5/16-18 x 1 1/4	1
40	323-58	Bolt, HH 3/8-16 x 6 Tap	1
41	3231-22	Bolt, Carriage 3/8-16 x 1	1
42	3256-2	Washer, 1/4 Std	8
43	32121-16	Pin, Spring 3/16 X 1	2
44	3256-4	Washer, 3/8 Std	2
45	3296-59	Nut, Nyloc 3/8-16 Thin	2
46	3296-47	Nut, Nyloc 5/16-18 Thin	8
47	109-6734-03	Shield, Outer Heat	1
48■	109-5546	Asm, Latch Link	1

Exmark black touch up spray paint – gloss black

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) on shaft under pivot tubes.

■ Assembly includes items #12, #22, #25, #33, #40, #44, & #45

DOOR LINKAGE



Item	Part No.	Description	Qty.
1	1-633097	Pin-Hitch W/Lanyard	1
2	109-4665-03	Link, Door Connect	2
3	109-4680-03	Wld, Door Handle	1
4	3256-4	Washer, 3/8 Std	10
5	3296-59	Nut, Nyloc 3/8-16 Thin	5
6	103-7115	Grip, Handle	1
7	3231-22	Bolt, Carriage 3/8-16 x 1	3
8	103-1918	Bushing	1
9	3231-25	Bolt, Carriage 3/8-16 x 1 1/4	1
10	3256-26	Washer, 1/2 SAE	6

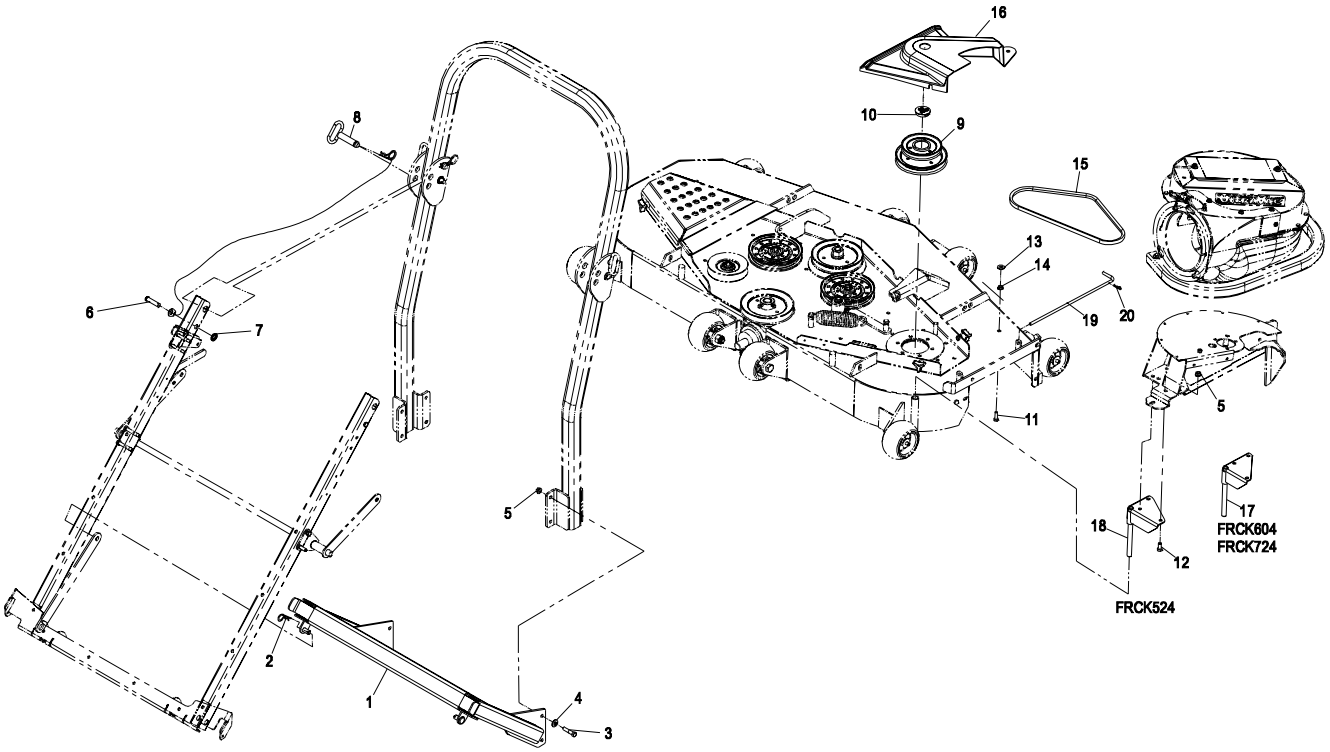
Item	Part No.	Description	Qty.
11	32120-47	Ring, Retaining	4
12	3231-4	Bolt, Carriage 3/8-16 x 1 1/2	1
13	109-4709	Pin, Upper Door Pivot	1
14	109-6472	Asm, Dr Handle W/Grip	1
15	109-6516-03	Brace, Hopper	2
16	3229-1	Bolt, Carriage 1/4-20 x 3/4	2
17	32105-32	Screw, Truss HD 1/4-20 x 1	10
18	32128-33	Nut, Whizlock 1/4-20	12
19	103-2076	Decal, Caution Hot Surface	1
20▲	109-6675	Asm, Shield W/Decal	1

Exmark black touch up spray paint – gloss black

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) on upper pivot pin.

▲ Used for Briggs engine applications only.

MOUNTING COMPONENTS



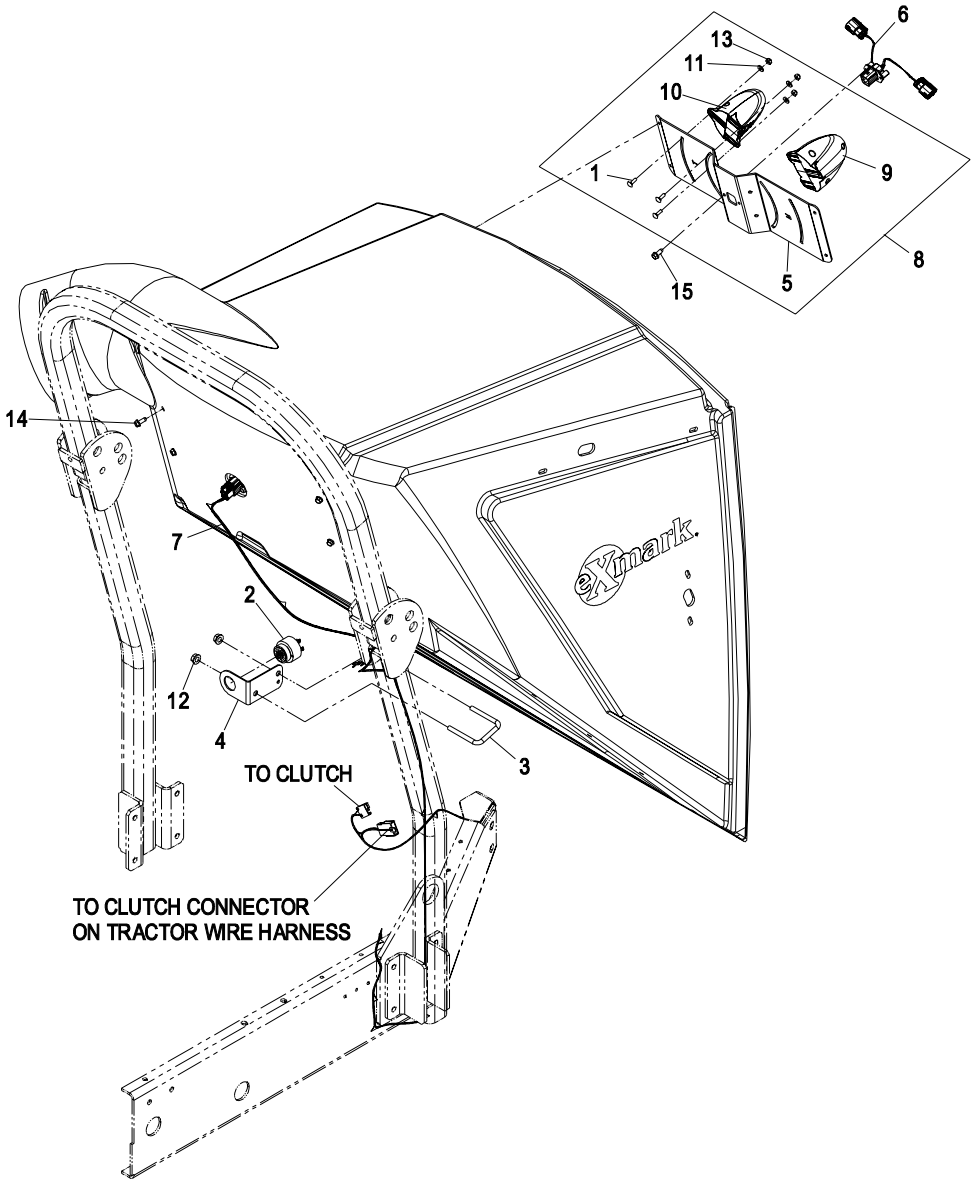
Item	Part No.	Description	Qty.
1	109-4748-03	Wld, Hopper Supt	1
2	1-806005	Hairpin, Cotter	2
3	323-9	Screw, HH 3/8-16 x 1 3/4	4
4	98-5975	Washer, Spring Disk 3/8	4
5	3290-357	Nut, Whizlock 3/8-16	7
6	283-5	Pin, Clevis	2
7	1-323142	Nut, Push 1/2	2
8	103-4553	Asm, Rops Fold Pin	2
9	103-2797	Jackshaft, 52”	1
	103-2792	Jackshaft, 60”	1
	103-2796	Jackshaft, 72”	1
10	103-1279	Plug, Black Nylon	1
11	322-5	Screw, HH 5/16-18 x 1	1

Item	Part No.	Description	Qty.
12	323-4	Screw, HH 3/8-16 x 3/4	3
13	3256-3	Washer, 5/16 Std	1
14	32128-20	Nut, Whizlock 5/16-18	1
15	109-4948	Belt, Blower Drive 52”	1
	103-0866	Belt, Blower Drive 60”	1
	103-0867	Belt, Blower Drive 72”	1
16	109-4846	Cover, Belt 52”	1
	109-4847	Cover, Belt 60”	1
	109-4848	Cover, Belt 72”	1
17	103-0445-03	Wld, Mount Pin 60” & 72”	1
18	109-4841-03	Wld, Mount Pin 52”	1
19	109-3458	Pin, Chute Pivot	1
20	1-806003	Hairpin, Cotter	1

Exmark black touch up spray paint – gloss black.

✚ Completing Kit FRCK includes items 9 through 18 and qty of 3 of item 5.

FILL SENSOR



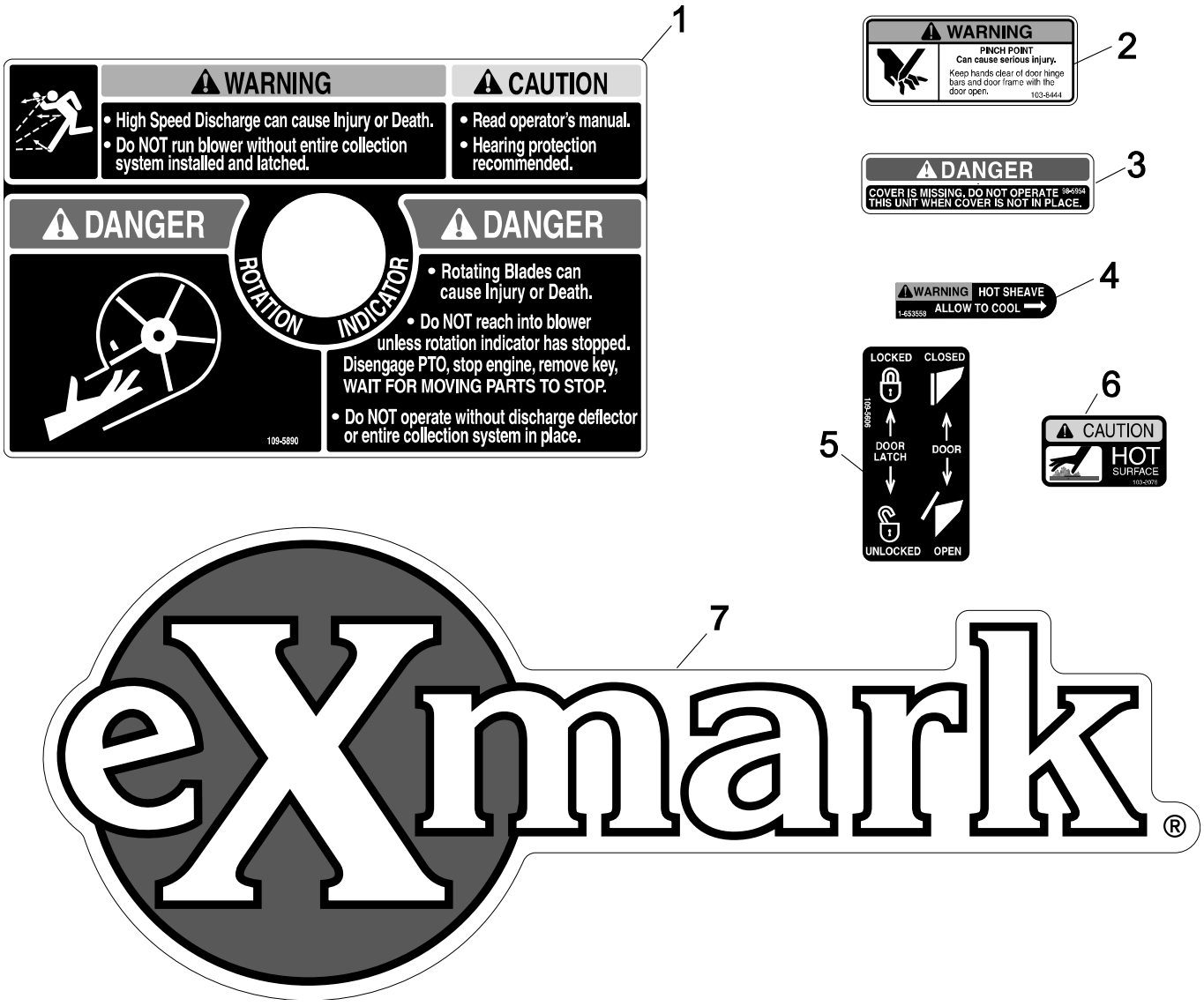
Item	Part No.	Description	Qty.
1	1-807533	Bolt, Carriage #10-24 x 5/8	6
2	103-0205	Alarm, Dual Tone 12VDC	1
3	109-2394	U-Bolt, 3/8-16 X 1.0	1
4	109-5304-03	Bracket, Alarm Mounting	1
5	109-5308-03	Plate, Fill Sensor Mounting	1
6◆	109-5338	Harness, Hopper	1
7◆	109-5340	Harness, Tractor	1
8	109-5342	Asm, Sensor Plate	1

Item	Part No.	Description	Qty.
9	112-9890	Asm-Sensor, Bag (Rx)	1
10	110-8018	Asm-Sensor, Bag (Tx)	1
11	3256-14	Washer, #10 Std	6
12	3290-357	Nut, Whizlock 3/8-16	2
13	3296-2	Nut, Nyloc #10-24	6
14	32144-10	Screw, HWH 1/4-20 x .62	4
15	3290-500	Screw, PPH #10-24 x 5/8	2

Exmark black touch up spray paint – gloss black.

◆ Use dielectric grease on all wiring harness connectors.

DECALS

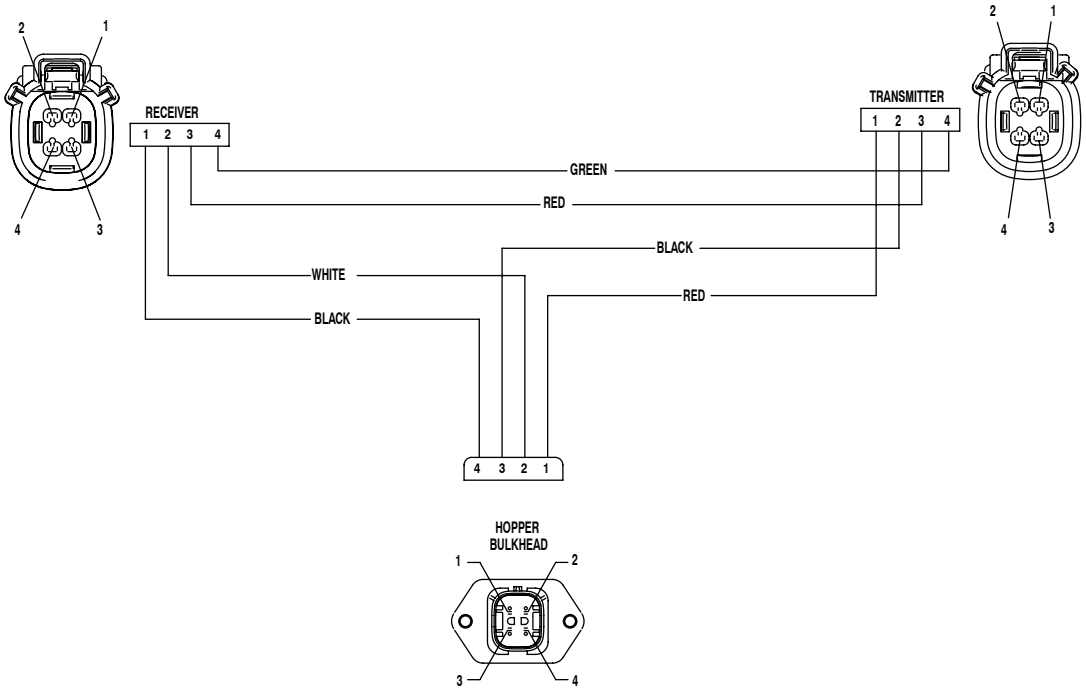


Item	Part No.	Description	Qty.
1	109-5890	Decal, Warning	1
2	103-8444	Decal, Pinch Point	2
3	98-5954	Decal, Missing Cover	1
4	1-653558	Decal, Hot Sheave	1

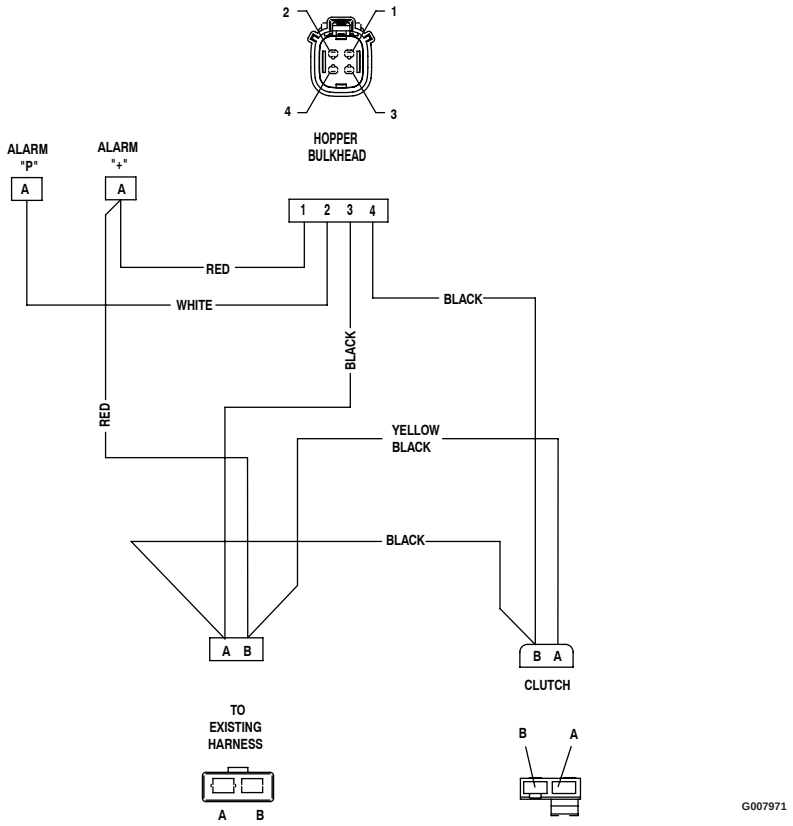
Item	Part No.	Description	Qty.
5	109-5606	Decal, FRUVD Door Operation	1
6	103-2076	Decal, Caution Hot Surface	1
7	103-6024	Decal, Exmark	1
	109-5691	Kit, Decal	

ELECTRICAL DIAGRAM

HOPPER HARNESS



TRACTOR HARNESS



NOTES

NOTES

SERVICE RECORD

Date	Description of Work Done	Service Done By

SEE EXMARK'S COMPLETE LINE OF ACCESSORIES

MID-MOUNT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM
DECK LIFT ASSIST KIT
HITCH KIT
LAZERLOCKER
LIGHT KIT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
ROLL OVER PROTECTION SYSTEM (ROPS)
SNOW BLADE
SUN SHADE
TRASH CONTAINER
TURF STRIPER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM

OUT-FRONT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM
DUAL-TAIL WHEEL
FLOOR PAN EXTENDER
HITCH KIT
LIGHT KIT
MICRO-MULCH SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)
ROTARY BROOM
SNOW BLADE
SNOWBLOWER
SUN SHADE
TRASH CONTAINER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM
WEATHER CAB

WALK-BEHIND ACCESSORIES

GRASS CATCHER
LAZERLOCKER
MICRO-MULCH SYSTEM
TURF STRIPER
STANDON

Place Model No. and Serial No. Label Here (Included in the Literature Pack or Fill in Below

Model No. _____

Serial No. _____

Date Purchased _____

© 2006–2008 Exmark Mfg. Co., Inc.
All Rights Reserved

Industrial Park Box 808
Beatrice, NE 68310
(402) 223-6300
Fax (402) 223-5489

Part No. 4500-275 Rev. A
Printed In USA.

www.exmark.com