



METRO® 21

**For Serial Nos.
790,000 & Higher**
Part No. 4500-401 Rev. A

Parts Manual

EXMARK PARTS PLUS

PARTS

OVERNIGHT

OR FREE*

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.)



**READ OPERATOR'S MANUAL BEFORE
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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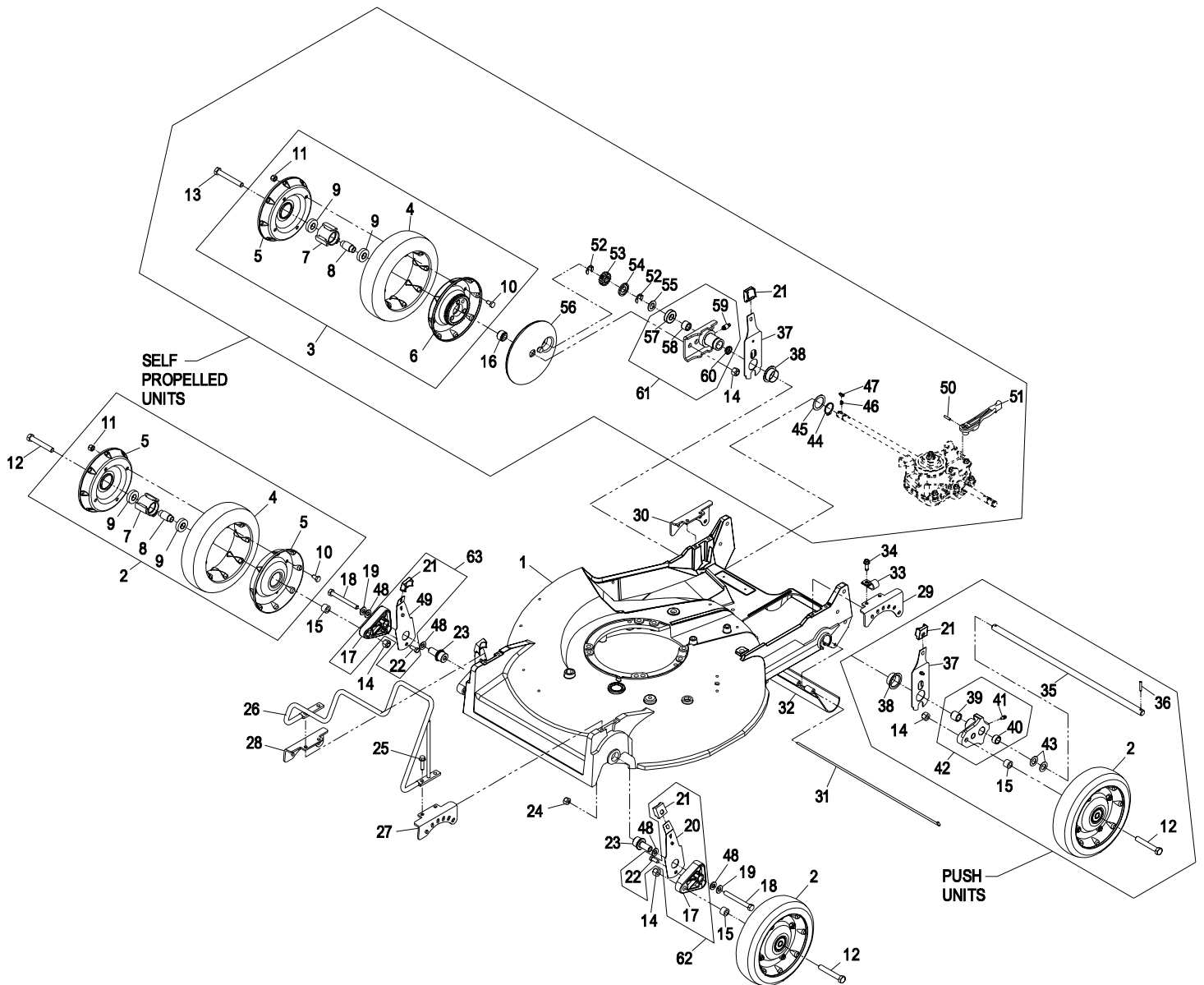
DECK and WHEEL ASSEMBLY

Item	Part No.	Description	Qty.
1●	98-8027	Asm, Deck W/Decals	1
■	100-3288	Asm, Deck W/Decals	1
2+	100-2870	Asm, Wheel & Tire	4
×	100-2870	Asm, Wheel & Tire	2
3×	100-2860	Asm, Wheel & Tire	2
4	53-7740	Tire	4
5+	53-7780-06	Plate, Wheel Half	8
×	53-7780-06	Plate, Wheel Half	6
6×	92-4957-06	Asm, Wheel Half W/Gear	2
7	52-2410	Hub, Bearing	4
8	52-2440	Spacer, Bearing	4
9	52-2450	Bearing, Wheel	8
10	321-2	Screw, HH 1/4-20 x 1/2	16
11	3296-42	Nut, Nyloc 1/4-20	16
12+	323-12	Screw, HH 3/8-16 x 2 1/2	4
×	323-12	Screw, HH 3/8-16 x 2 1/2	2
13×	323-13	Screw, HH 3/8-16 x 2 3/4	2
14	32152-2	Nut, Hex 3/8-16 Lock	4
15+	52-2480	Spacer, Wheel	4
×	52-2480	Spacer, Wheel	2
16×	74-1650	Spacer, Wheel	2
17	66-0580	Arm, Pivot Front	2
18	322-20	Screw, HH 5/16-18 x 3 1/4	2
19	98-3499	Washer	2
20	103-5847	Asm, Front Spring Arm LH	1
21	25-7740	Knob, Arm	4
22	49-2040	Screw, HWH 1/4-20 x 3/4 TF	2
23	109-6041	Bushing, Wheel Pivot	2
24	3296-29	Nut, Nyloc 5/16-18	2
25	32144-86	Screw, HWH 1/4-20 x 1 TF	4
26	109-7638	Guard, Engine	1
27	103-7683	Bracket, Quadrant Front LH	1
28	103-7684	Bracket, Quadrant Front RH	1
29	103-7685	Bracket, Quadrant Rear LH	1

Item	Part No.	Description	Qty.
30	103-7686	Bracket, Quadrant Rear RH	1
31	33-3208	Rod, Shield	1
32	112-9989	Shield, Trailing	1
33	1-323229	Clip, Loom 3/8	1
34	49-2040	Screw, HWH 1/4-20 x 3/4 TF	4
35+	49-8790	Shaft, Rear Axle	1
36+	32121-108	Pin, Spirol 5/32 x 7/8	2
37	66-7561	Asm, Rear Spring Arm	2
38	48-2170	Cap, End	2
39+	47-2900	Bushing	2
40+	47-2890	Bushing	2
41+	302-56	Zerk, 3/16 Str	2
42+	42-3510	Asm, Pivot Arm	2
43+	36-4780	Washer	4
44×	32151-36	Ring, Retaining	2
45×	74-1810	Washer	2
46×	39-9650	Spring	2
47×	612066	Key	2
48×	77-0350	Washer, Nylon	4
49×	103-5848	Asm, Front Spring Arm RH	1
50×	32121-99	Pin, Coil	1
51×	74-1960	Lever, Shift	1
52×	32151-68	E-Ring	4
53×	39-9160	Gear, Pinion	2
54×	62-3830	Washer, Thrust Outer	2
55×	49-7700	Washer, Thrust Outer	2
56×	74-1640	Cover, Wheel	2
57×	52-2450	Bearing, Wheel	2
58×	48-2060	Bearing, Roller	2
59×	92-6316	Zerk	2
60×	47-6730	Seal	2
61×	74-1851	Asm, Pivot Arm	2
62	109-6676	Asm, Arm Front Wheel LH	1
63	109-6677	Asm, Arm Front Wheel RH	1

- For units **without** blade brake clutch.
- For units **with** blade brake clutch.
- +
- For push units.
- ×
- For self-propelled units.

DECK and WHEEL ASSEMBLY



BLADE ASSEMBLY

Item	Part No.	Description	Qty.
1	105-8579	Bolt, Blade 7/16-20 x 1 5/8	1
2	92-1599-03	Stiffener, Blade	1
3	107-4276-03	Blade	1
4	52-2170-03	Retainer, Blade	1
5	103-3795	Spacer, Blade Retainer	1
6+	7-0036	Key, Machine 3/16 SQ x 1 5/8	1
x	5-1077	Key, Machine 3/16 SQ x 1	1
7	32144-70	Screw, HH 5/16-18 X 3/4	3
8	3254-6	Washer, Lock Internal	3
9+	48-2591	Protector, Crankshaft	1
x	65-5860	Protector, Crankshaft	1
10x	46-7910	Sheave, Driver	1
11▲	107-4058	Spacer, Output Shaft	1
12	66-0570-03	Bracket, Belt Guide	1
13	3257-17	Key, Woodruff 5/32 X 21/32	1
14	56-6180	Sheave, Driver	1
15	56-6160-03	Flywheel, BBC	1
16	42-3190	Bolt, Blade 3/8-24 x 2.33	2
17	94-9431	Asm, Brake Drum	1
18	52-3480	Dampner, Vibration	2
19	42-6890	Asm, Hub	1
20	100-1048	Bearing, Ball	2
21	46-5693	Shield	1
22	107-4275	Spacer, Blade	1
23▲	3212-4	Screw, HH 7/16-20 x 1	1
24	91-2255-03	Stiffener, Blade	1
25◆	603164	Nut, Blade 5/8-18 Nyloc	1
26▲	1-603610	Washer, Spring Disk 7/16	2
27	54-9190	Nut, Hex 3/8-24 Lock	2
28	32104-107	Screw, HH 5/16-18 x 1 1/2	1
29▲	3256-23	Washer, 5/16 SAE	2
◆	3256-23	Washer, 5/16 SAE	4
30	49-2810	Link, Control	1
31	49-7960	Bellcrank	1

Item	Part No.	Description	Qty.
32	49-7950	Sleeve, Bellcrank	1
33	49-2820	Lever	1
34	32104-96	Screw, HH 1/4-20 x 1 3/8 Tap	1
35	49-7970	Spring, Torsion	1
36	70-1160	Washer	1
37	85-6880	Spring, Torsion	1
38	84-9130	Arm, Idler	1
39	100-6486	Belt	1
40	46-5650	Pulley, Idler	1
41	46-5631	Hub, Idler Pulley	2
42	322-6	Screw, HH 5/16-18 x 1 1/4	1
43	3296-47	Nut, Nyloc 5/16-18	1
44▲	32144-70	Screw, HWH 5/16-18 x 3/4 TF	2
◆	32144-70	Screw, HWH 5/16-18 x 3/4 TF	3
45	84-9180	Asm, Brake Plate	1
46	3272-1	Pin, Cotter 1/16 x 1/2	2
47	84-9050	Pin, Spring	1
48	65-5280	Retainer, Spring	1
49	84-9100	Spring	1
50	46-7040	Screw, HWH #8-16 x 1 1/2 TF	1
51	106-0842	Guide, Spring	1
52	107-4087-03	Bracket, Spring	1
53	84-9040	Pin, Cable	1
54□	68-9780	Bearing	2
55▲	84-8930	Shield, Retainer	2
◆	84-8930	Shield, Retainer	3
56▲	3296-39	Nut, Nyloc 3/8-16	2
◆	3296-39	Nut, Nyloc 3/8-16	4
57▲	323-6	Screw, HH 3/8-16 x 1	2
◆	323-6	Screw, HH 3/8-16 x 1	3
58	80-6990	Washer	1
59◆	323-7	Screw, HH 3/8-16 x 1 1/4	1
60▲	110-2142	Spacer, Pulley	1

Exmark black touch up spray paint - gloss black.

+ For push units.

x For self-propelled units.

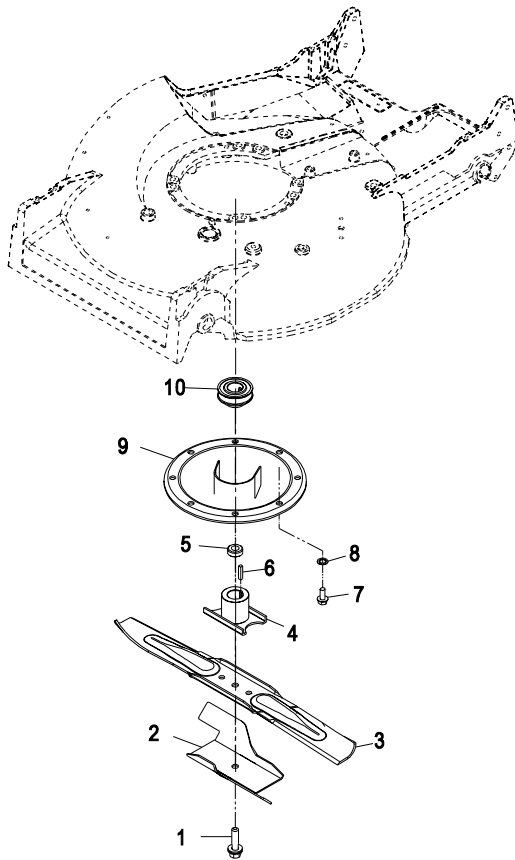
▲ For units with Kawasaki engine.

◆ For units with Honda engine.

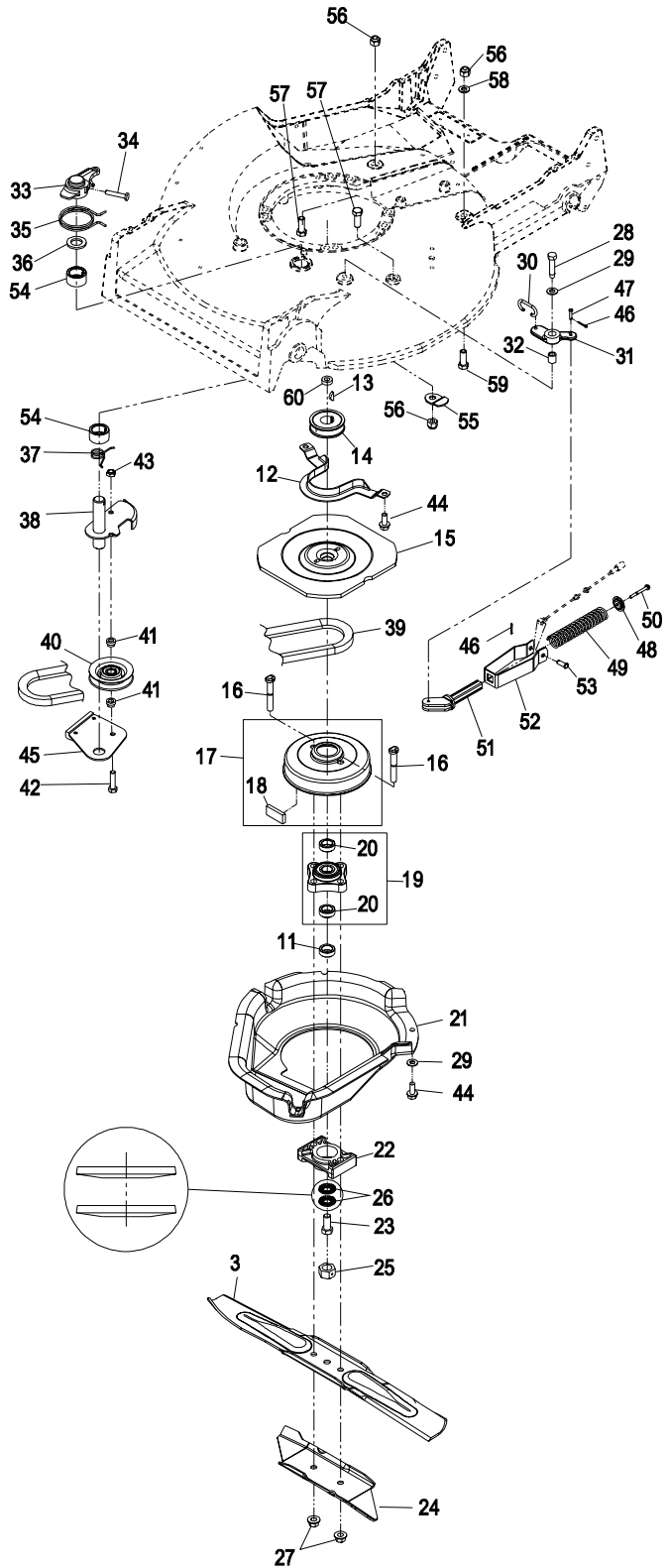
□ Included with deck assembly P/N 100-3288.

BLADE ASSEMBLY

FOR UNITS WITHOUT
BLADE BRAKE CLUTCH

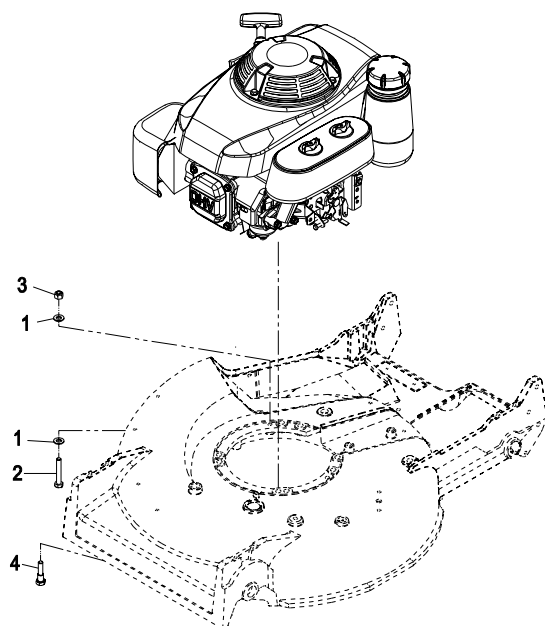


FOR UNITS WITH
BLADE BRAKE CLUTCH

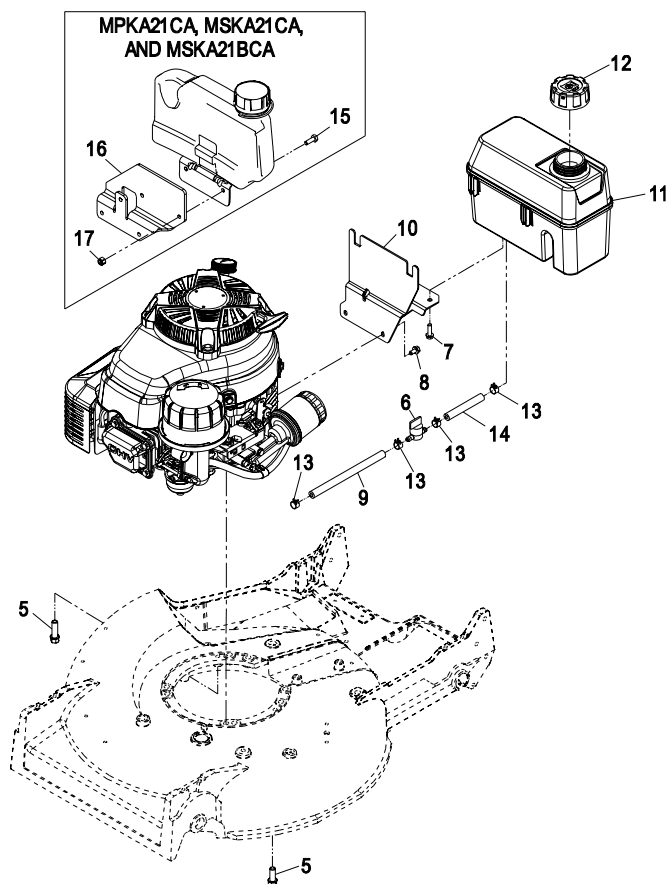


ENGINE ASSEMBLY

FOR UNITS WITH HONDA ENGINE



FOR UNITS WITH KAWASAKI ENGINE



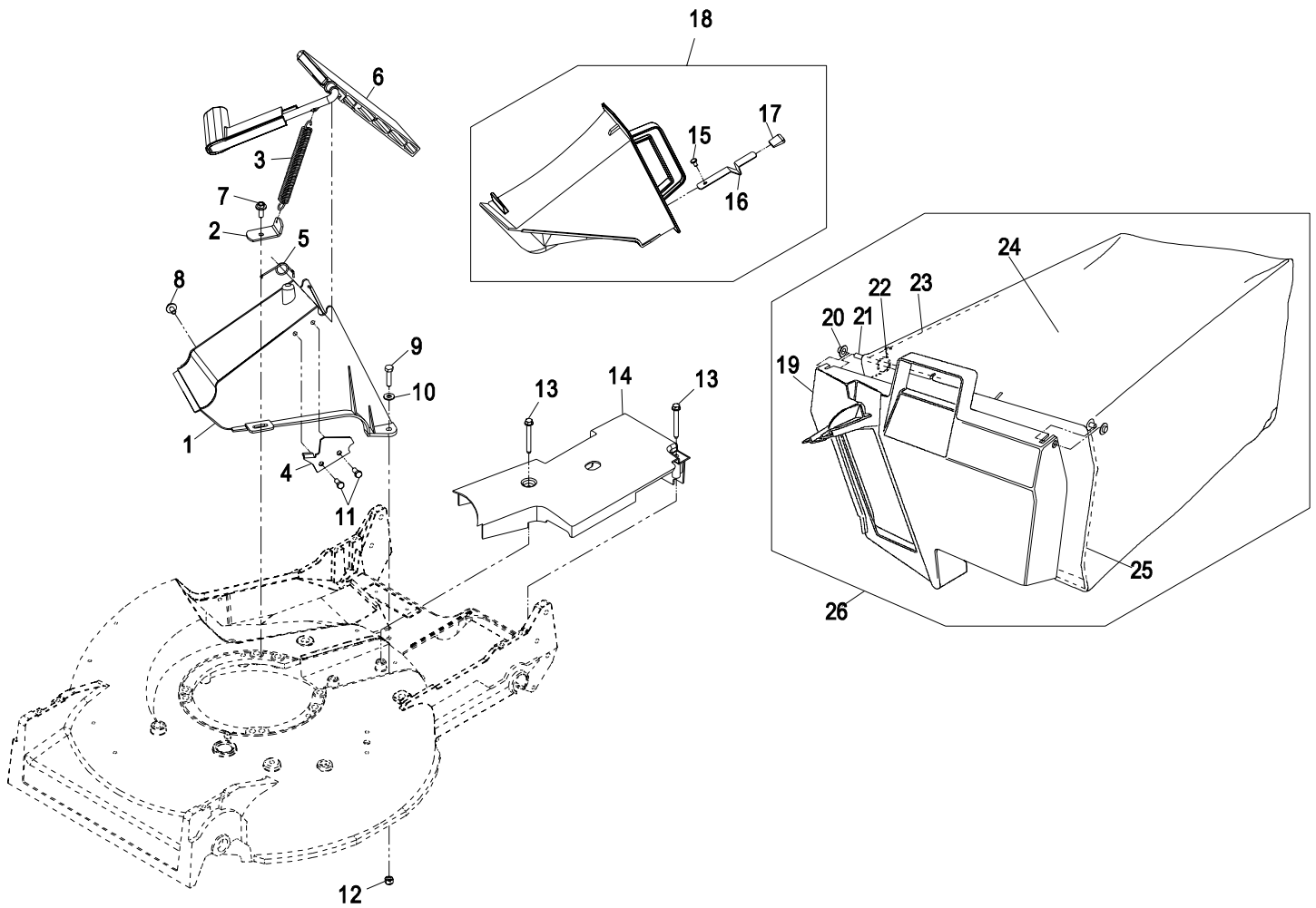
Item	Part No.	Description	Qty.
1	3256-23	Washer, 5/16 SAE.....	2
2	322-11	Screw, HH 5/16-18 x 2 1/4	1
3	3296-29	Nut, Nyloc 5/16-18	1
4	103-2678	Screw, HH 5/16-24 x 1 1/5 Sp.....	3
5	95-1727	Screw, HWH 3/8-16 x 1 1/4 Taptite	4
6	1-603770	Valve, Fuel.....	1
7	46-8091	Screw, HWH 1/4-10 x .82 Plastite	2
8	115-1004	Screw, HWH M6-1 x 12mm TF.....	3
9	109-0296	Line, Fuel.....	1

Item	Part No.	Description	Qty.
10	110-4950-03	Bracket, Tank	1
11	106-0625	Tank, Gas.....	1
12	93-7198	Asm, Gas Cap	1
13	2412-98	Clamp	4
14	109-0650	Line, Fuel.....	1
15●	321-4	Screw, HH 1/4-20 x 3/4	2
16●	112-9730-03	Bracket, Adapter Tank	1
17●	3296-42	Nut, Nyloc 1/4-20	2

Exmark black touch up spray paint - gloss black.

● For MPKA21CA, MSKA21CA, and MSKA21BCA units only.

DISCHARGE DOOR, PLUG and BAG ASSEMBLY



Item	Part No.	Description	Qty.
1	82-9152	Tunnel, Discharge.....	1
2	71-9350	Bracket, Spring	1
3	76-4660	Spring, Door.....	1
4	93-3154	Latch, Plate.....	1
5	80-3770	Retainer, Door.....	1
6	93-7351	Asm, Discharge Door	1
7	46-6811	Screw, HWH 1/4-20 x 3/4 Taptite	1
8	46-6810	Screw, HWH 1/4-20 x 1/2 Taptite	1
9	321-8	Screw, HH 1/4-20 x 1 1/4	2
10	3256-22	Washer, 1/4 SAE	2
11	46-8090	Screw, HH 1/4-10 x .60 Plastite.....	2
12	3296-42	Nut, Nyloc 1/4-20	2
13	37-7260	Screw, HH 1/4-20 x 2 SP	2
14+	63-9441	Cover, Belt.....	1
×	74-1770	Cover, Belt.....	1

✚ For push units.

✕ For self-propelled units.

Item	Part No.	Description	Qty.
15	3295-35	Rivet	1
16	76-4640	Latch, Discharge Plug.....	1
17	76-4650	Grip, Latch.....	1
18	77-0500	Asm, Discharge Plug	1
19	48-2840	Door, Grass Bag	1
20	3290-422	Nut, Push.....	2
21	33-4820	Hinge, Bag Door	1
22	36-6910	Spring	2
23	42-4030	Frame, Upper Bag	1
24	109-4951	Bag, Grass.....	1
25	42-4020	Frame, Bag.....	1
26	109-4961	Asm, Grass Bag.....	1

HANDLE ASSEMBLY for PUSH UNITS

Item	Part No.	Description	Qty.
1	114-2775	Guide, Rope.....	1
2	109-4982	Rod, Bag Support	1
3	322-6	Screw, HH 5/16-18 x 1 1/4	2
4	3290-456	Washer, Spring Disc 7/16.....	2
5	103-4519	Cable, Brake	1
6	3290-378	Tie, Cable	3
7	32111-7	Nut, Cap 1/4-20.....	2
8	3-7501	Washer	1
9	3256-23	Washer, 5/16 SAE.....	2
10▲	103-4518	Cable, Throttle Kawasaki	1
+	109-7876	Cable, Throttle Kawasaki (CA)	1
11	109-8360-03	Handle	1

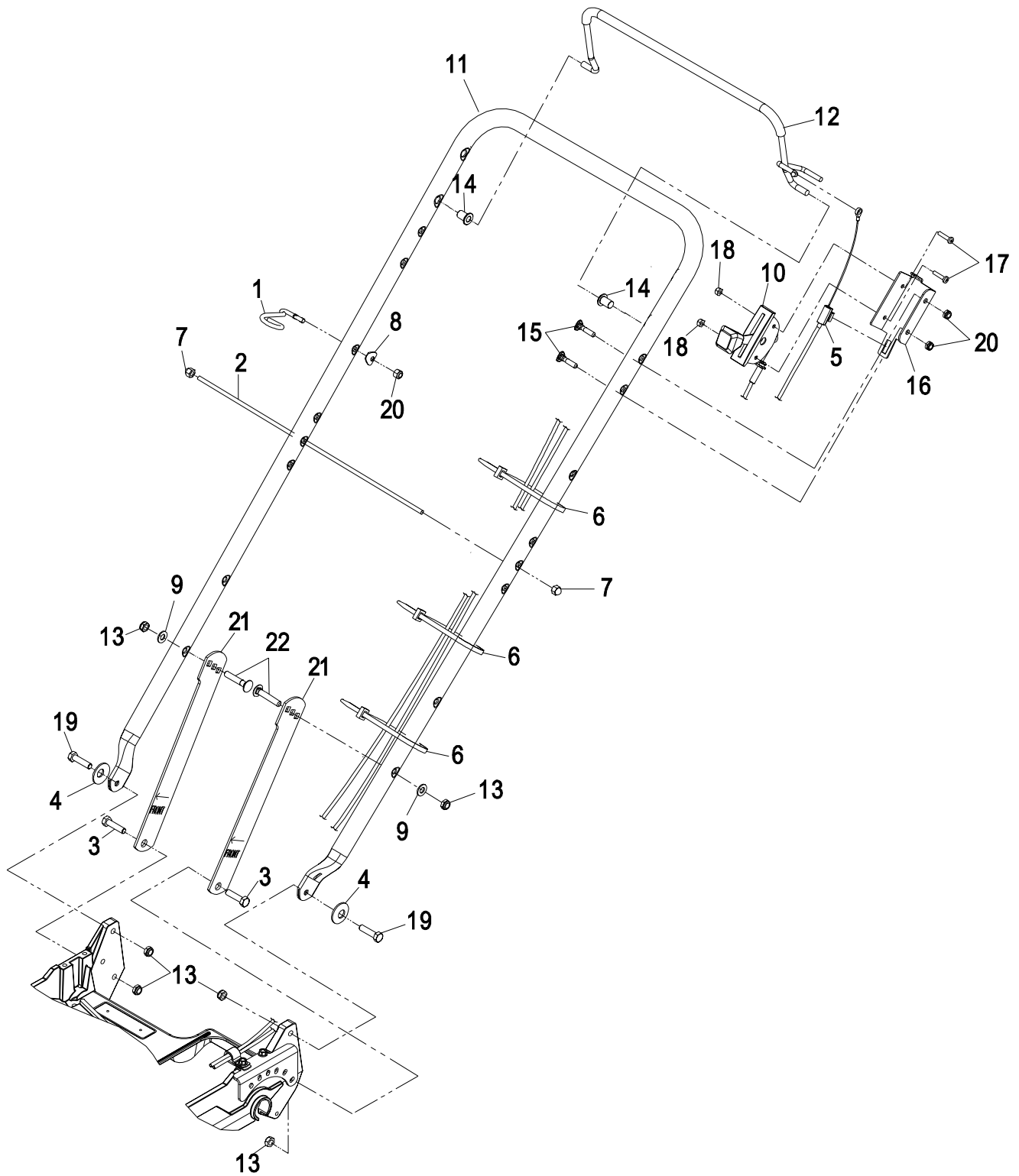
Item	Part No.	Description	Qty.
12	109-7425	Wld, Brake OPC Coated	1
13	3296-29	Nut, Nyloc 5/16-18	6
14	109-2713	Bushing	2
15	109-8144	Bolt, Handle 1/4-20 x 1 3/8.....	2
16	109-5574-03	Bracket, Throttle	1
17	3250-27	Screw, PPH #10-24 x 7/8.....	2
18	3296-2	Nut, Nyloc #10-24	2
19	322-17	Screw, HH 5/16-18 x 1 3/8.....	2
20	3296-56	Nut, Nyloc 1/4-20	3
21	109-2677-03	Latch, Handle	2
22	3230-4	Bolt, Carriage 5/16-18 x 1 1/2	2

Exmark black touch up spray paint - gloss black.

▲ For MPKA21 units.

⊕ For MPKA21CA units.

HANDLE ASSEMBLY for PUSH UNITS



HANDLE ASSEMBLY for SELF-PROPELLED UNITS WITHOUT BLADE BRAKE CLUTCH

Item	Part No.	Description	Qty.
1	114-2775	Guide, Rope.....	1
2	109-4982	Rod, Bag Support	1
3	322-6	Screw, HH 5/16-18 x 1 1/4	2
4	321-9	Screw, HH 1/4-20 x 1 1/2	1
5	3-7501	Washer	1
6	3290-378	Tie, Cable	3
7▲	32111-7	Nut, Cap 1/4-20.....	2
◆	32111-7	Nut, Cap 1/4-20.....	3
8◆	104-1326	Plate, Bag Aligning.....	1
9◆	3229-3	Bolt, Carriage 1/4-20 x 1 1/4	1
10	3290-456	Washer, Spring Disk	2
11	109-8360-03	Handle	1
12	109-7425	Wld, Brake Bail OPC Coated.....	1
13	32151-86	E-ring	1
14	109-2713	Bushing.....	4
15	109-8144	Bolt, Handle 1/4-20 x 1 3/8.....	2
16	109-5574-03	Bracket, Throttle.....	1
17	3250-27	Screw, PPH #10-24 x 7/8	2

Item	Part No.	Description	Qty.
18	3296-2	Nut, Nyloc #10-24	2
19	322-17	Screw, HH 5/16-18 x 1 3/8	2
20	3296-56	Nut, Nyloc 1/4-20 Thin	3
21	109-2677-03	Latch, Handle	2
22	3230-4	Bolt, Carriage 5/16-18 x 1 1/2	2
23	3256-23	Washer, 5/16 SAE	2
24	3296-29	Nut, Nyloc 5/16-18	6
25	46-7030	Retainer, Cable.....	1
26	74-1741	Bracket, Traction Adjustment.....	1
27★	103-4518	Cable, Throttle Kawasaki	1
+	109-7876	Cable, Throttle Kawasaki (CA).....	1
◆	109-3499	Cable, Throttle Honda.....	1
28▲	103-4519	Cable, Brake Kawasaki	1
◆	109-6478	Cable, Brake Honda.....	1
29	109-4845	Cable, Traction	1
30	109-4606	Wld, Traction Bail.....	1
31	32144-70	Screw, HWH 5/16-18 x 3/4 TF	2

Exmark black touch up spray paint - gloss black.

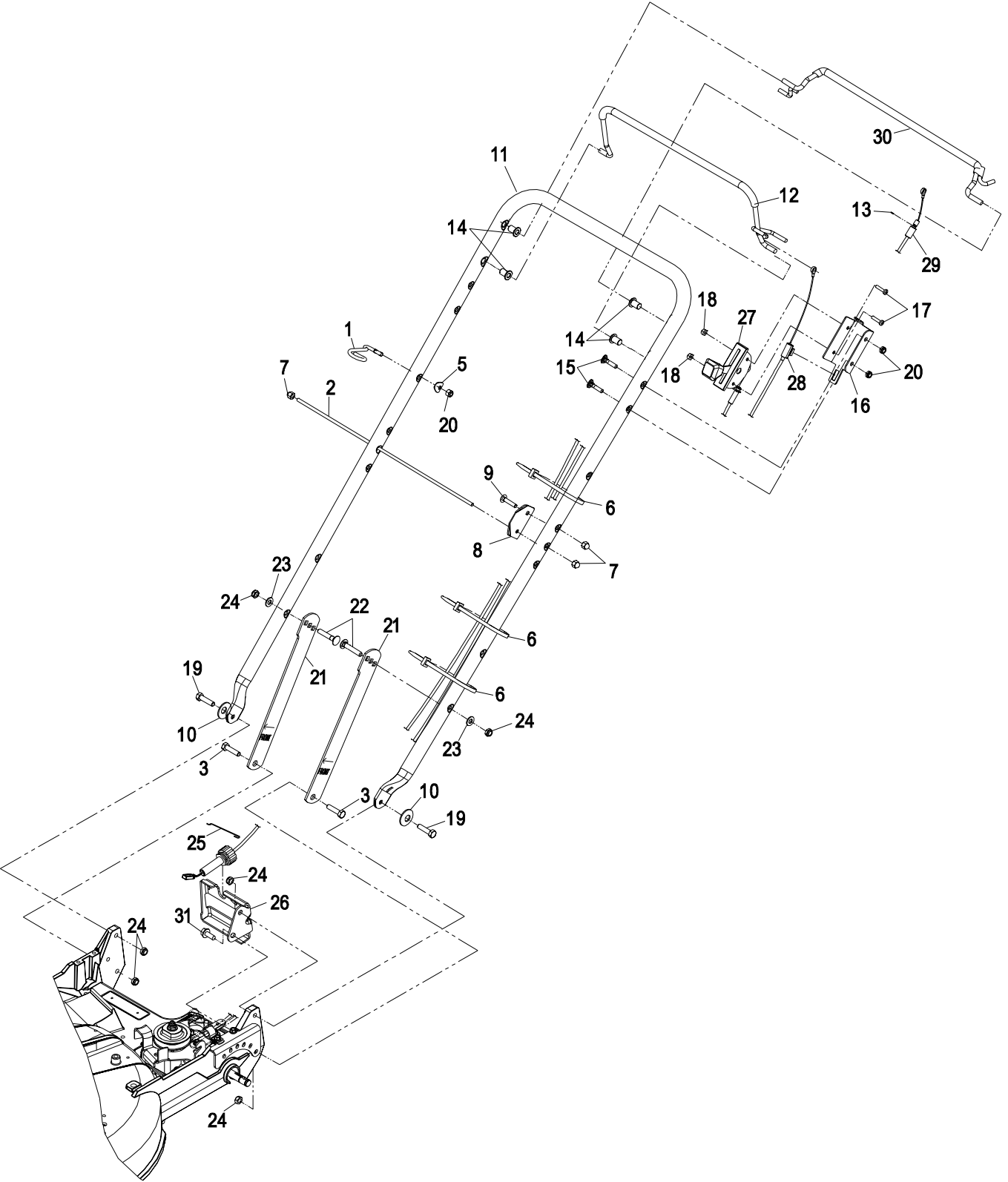
▲ For units with Kawasaki engine.

★ For MSKA21 units.

◆ For MSHN21 units.

⊕ For MSKA21CA units.

HANDLE ASSEMBLY for SELF-PROPELLED UNITS WITHOUT BLADE BRAKE CLUTCH



HANDLE ASSEMBLY for SELF-PROPELLED UNITS WITH BLADE BRAKE CLUTCH

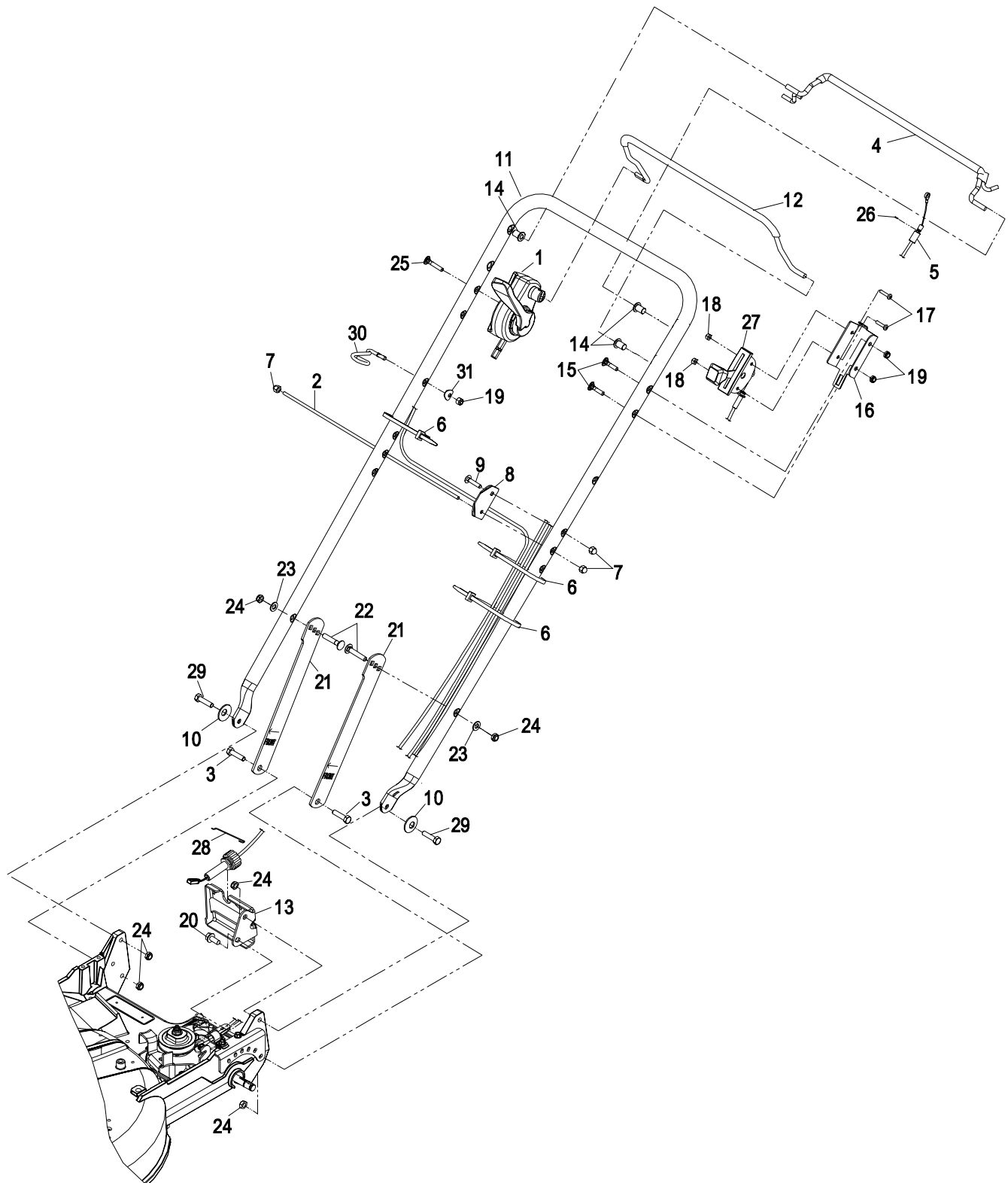
Item	Part No.	Description	Qty.
1	109-3068	Control, BBC.....	1
2	109-4982	Rod, Bag Support	1
3	322-6	Screw, HH 5/16-18 x 1 1/4	2
4	109-4606	Wld, Traction Bail.....	1
5	109-4845	Cable, Traction.....	1
6	3290-378	Tie, Cable	2
7▲	32111-7	Nut, Cap 1/4-20.....	2
◆	32111-7	Nut, Cap 1/4-20.....	3
8◆	104-1326	Plate, Bag Aligning.....	1
9◆	3229-3	Bolt, Carriage 1/4-20 x 1 1/4	1
10	3290-456	Washer, Spring Disc	2
11	109-8360-03	Handle	1
12	109-7584	Bail, Brake	1
13	74-1741	Bracket, Traction Adjustment	1
14	109-2713	Bushing.....	3
15	109-8144	Bolt, Handle 1/4-20 x 1 3/8.....	2
16	109-5574-03	Bracket, Throttle.....	1

Item	Part No.	Description	Qty.
17	3250-27	Screw, PPH #10-24 x 7/8.....	2
18	3296-2	Nut, Nyloc #10-24	4
19	3296-56	Nut, Nyloc 1/4-20 Thin	3
20	32144-70	Screw, HWH 5/16-18 x 3/4 TF	1
21	109-2677-03	Latch, Handle	2
22	3230-4	Bolt, Carriage 5/16-18 x 1 1/2	2
23	3256-23	Washer, 5/16 SAE	2
24	3296-29	Nut, Nyloc 5/16-18	6
25	33113-045	Screw, HH M6-1 x 45mm.....	1
26	32151-86	E-ring.....	1
27★	103-4518	Cable, Throttle Kawasaki	1
✱	109-7876	Cable, Throttle Kawasaki (CA).....	1
◆	109-3499	Cable, Throttle Honda.....	1
28	46-7030	Retainer, Cable.....	1
29	322-17	Screw, HH 5/16-18 x 1 3/8.....	2
30	114-2775	Guide, Rope	1
31	3-7501	Washer.....	1

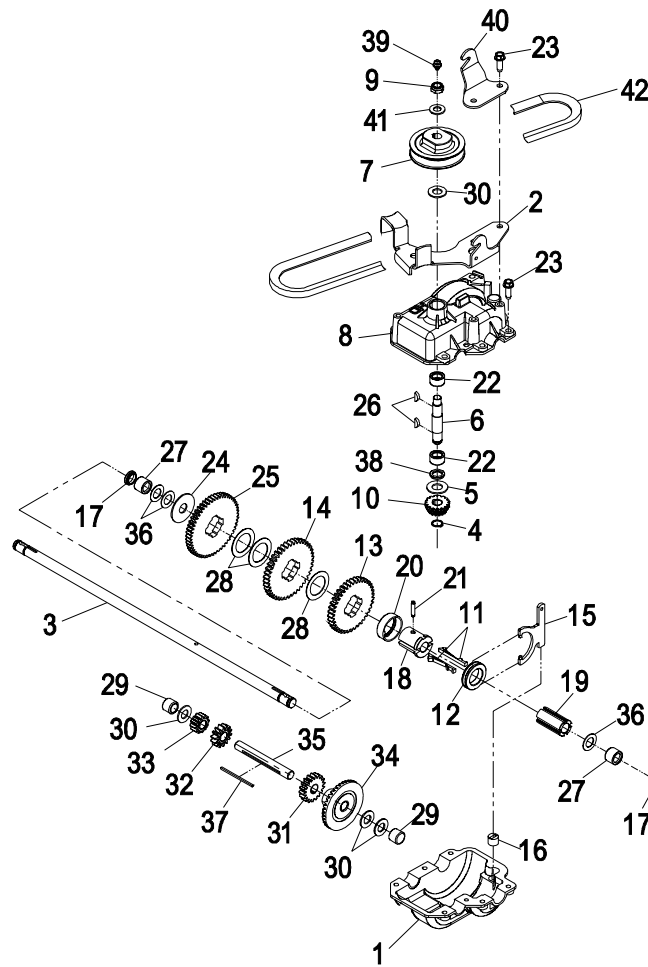
Exmark black touch up spray paint - gloss black.

- ▲ For units with Kawasaki engine.
- ★ For MSKA21B units
- ◆ For MSHN21B units
- ✱ For MSKA21BCA units.

HANDLE ASSEMBLY for SELF-PROPELLED UNITS WITH BLADE BRAKE CLUTCH



GEAR CASE ASSEMBLY for SELF-PROPELLED UNITS



Item	Part No.	Description	Qty.
1	74-1920	Gear Case, Lower	1
2	49-8461-03	Bracket, Belt Guide	1
3	74-1890	Shaft, Output.....	1
4	32151-57	Ring, Retaining	1
5	47-2910	Washer, Thrust	1
6	68-8190	Shaft, Input	1
7	39-6740	Pulley	1
8	74-1880	Gear Case, Upper	1
9	3296-5	Nut, Nyloc 3/8-24 Thin	1
10	39-6660	Pinion, Bevel 16T.....	1
11	29-9330	Key, Shift	2
12	29-9340	Collar, Shift	1
13	42-4740	Gear, 38T.....	1
14	29-9271	Gear, 42T.....	1
15	60-8870	Yoke, Shift	1
16	29-9570	Bushing, Yoke.....	1
17	47-6730	Seal, Oil	2
18	55-8010	Sleeve, Gear.....	1
19	39-6720	Sleeve.....	1
20	55-8020	Retainer, Key	1
21	3285-19	Pin, Groove.....	1
22	47-7270	Bearing	2

Item	Part No.	Description	Qty.
23	49-2040	Screw, HWH 1/4-20 x 3/4 TF	8
24	29-9690	Washer	1
25	46-3560	Gear, 52T	1
26	3257-1	Key, Woodruff 1/8 x 1/2	2
27	48-2060	Bearing, Roller.....	2
28	36-4770	Washer	3
29	252-103	Bearing, Closed	2
30	36-4792	Washer, Thrust	4
31	39-6650	Gear, 18T	1
32	46-3550	Gear, 14T	1
33	46-3540	Gear, 12T	1
34	74-1760	Gear, Bevel 40T.....	1
35	53-7950	Shaft, Intermediate	1
36	36-4780	Washer	3
37	39-7842	Key, Machine 3/32 SQ x 2 1/8	1
38	47-7260	Seal	1
39	302-63	Zerk	1
40	74-1750-03	Brake Engage, Traction	1
41	3256-45	Washer, Flat	1
42	1-213237	Belt	1
43	74-1861	Asm, Gear Case Complete Includes Items 1-41	1

Exmark black touch up spray paint - gloss black.

DECALS



Item	Part No.	Description	Qty.
1✕	74-1970	Decal, Shifter	1
2●	103-6327	Decal, Throttle/Choke	1
3■	103-6328	Decal, Throttle/Choke	1
4+	52-2610	Label, Grease	1
5	68-7410	Decal, Blade	1
6	104-1329	Decal, Protection, Hearing	1
7✕	52-2620	Label, Grease	1
8	104-8585	Decal, Warning	1

Item	Part No.	Description	Qty.
9▲	109-6528	Decal, Recoil	1
10●	39-5770	Decal, Danger.....	1
11■	43-8480	Decal, Danger.....	1
12▲	114-3415	Decal, Air Cleaner KAI	1
13♦	109-8191	Decal, Primer.....	1
14⊕	109-8190	Decal, Throttle	1
15✱	109-8194	Decal, Throttle	1

- For units **without** blade brake clutch: MPKA21, MSKA21, and MSHN21.
- For units **with** blade brake clutch: MSKA21B and MSHN21B.
- +
- ✕ For self-propelled units.
- ▲ For units with Kawasaki engine.
- ♦ For MPKA21CA, MSKA21CA, and MSKA21BCA units only.
- ⊕ For MPKA21CA and MSKA21CA units only.
- ✱ For MSKA21BCA units only.

NOTES

SERVICE RECORD

[illegible]

SEE EXMARK'S COMPLETE LINE OF ACCESSORIES

MID-MOUNT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM

FULL SUSPENSION SEAT

DECK LIFT ASSIST KIT

HITCH KIT

LIGHT KIT

12V POWER PORT

MICRO-MULCH SYSTEM

OPERATOR CONTROLLED DISCHARGE

ROLL OVER PROTECTION SYSTEM (ROPS)

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)

SNOW BLADE

SNOWBLOWER

SUN SHADE

TRASH CONTAINER

ULTRA VAC COLLECTION SYSTEM

ULTRA VAC QUICK DISPOSAL SYSTEM

WEATHER CAB

WALK-BEHIND ACCESSORIES

GRASS CATCHER

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 _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

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