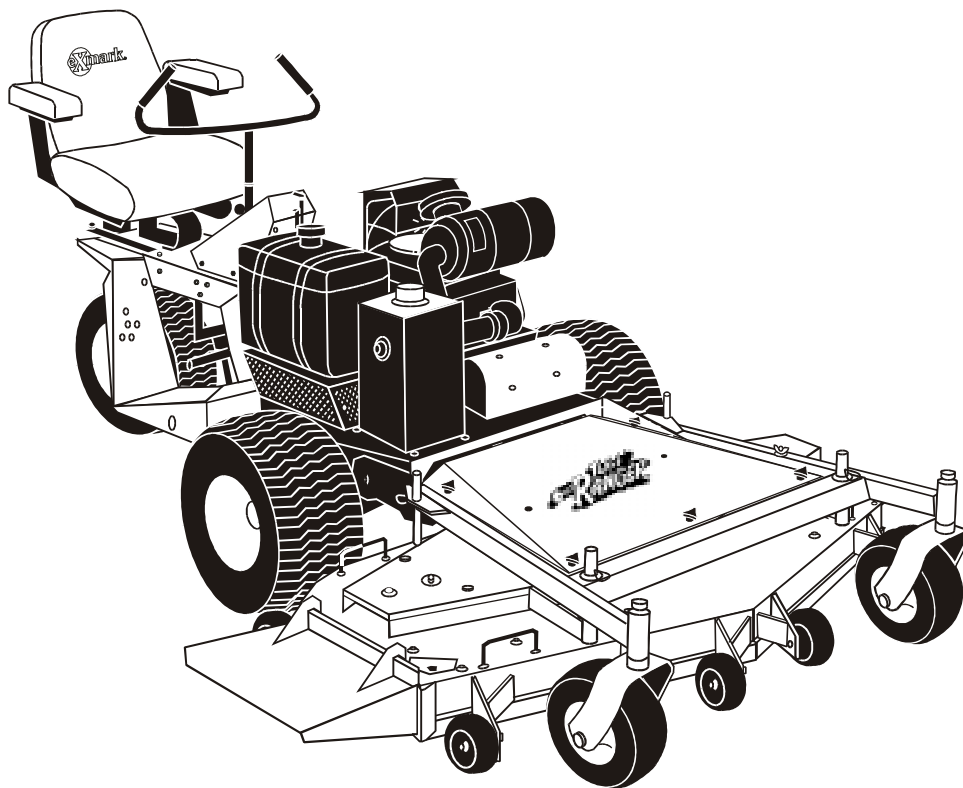




For Turf Ranger
Serial Nos. 260,000 to 319,999
or
Serial Nos. 320,000 & Higher
and
FMD523 & FMD603
Serial Nos. 260,000 & Higher
or
FMD524 & FMD604
Serial Nos. 320,000 & Higher



PARTS MANUAL

TURF RANGER

CONGRATULATIONS on the purchase of your new Exmark mower. This product has been carefully designed and manufactured to give you a maximum amount of dependability and years of trouble-free operation.

If additional information is needed, or should you require trained mechanic service, contact your authorized Exmark equipment dealer or distributor.

If you need to order replacement parts from your dealer, always give the model number and serial number of your mower as well as the part number, description and quantity of the part needed.

The Serial No. Plate for the tractor unit is located on the right hand rear surface of the engine deck below the fuel tank.

The Serial No. Plate for FMD523 and FMD603 is on the rear left hand top side of the deck plate next to the handle.

The Serial No. Plate for FMD524 and FMD604 is on the rear right belt cover support under the front frame.

For ease of ordering and reference, we suggest that you record the information requested in the following identification table.

Tractor Model No. _____

Tractor Serial No. _____

Deck Model No. _____

Deck Serial No. _____

Engine Model No. _____

Engine Serial No. _____

Date Purchased _____

Paste Label From
Literature Packet Here

EXMARK PARTS PLUS® PROGRAM

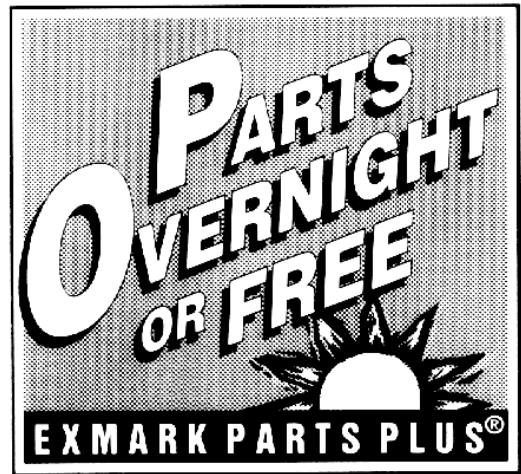
EFFECTIVE DATE: September 1, 1995

Program

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!!

How the Program Works

1. If dealer does not have part in stock for a "down" unit at the time of request by customer, the dealer contacts his distributor by 1:00 p.m., local time, and requests Exmark Parts Plus® shipment of six (6) line items or less.
2. Distributor ships part(s) to dealer or customer, as requested by dealer, same day, overnight UPS. Distributor bills dealer for part and freight charges where applicable.
3. If distributor does not have the part(s) in stock to satisfy Exmark Parts Plus® order, he contacts Exmark by 3:00 p.m., central time, with an Exmark Parts Plus® order of six (6) line items or less.
4. If order is received by 3:00 p.m. central time, Exmark ships part(s) direct to dealer or customer, as requested by distributor, same day, overnight UPS. Exmark bills the distributor for parts and shipping charges, where applicable.
5. The customer pays for the part and freight if it is shipped under the Exmark Parts Plus® and if it arrives in accordance to the program.
6. Who pays for the part and freight if it fails to arrive overnight in accordance to the program?
 - A. Under any circumstance the customer does not pay.
 - B. If the part does not arrive overnight due to:
 1. The dealer not submitting the Exmark Parts Plus® order to his Exmark distributor by 1:00 p.m., the dealer pays for the part and freight.
 2. The Distributor being unable to ship the part the same day or not submitting the Exmark Parts Plus® order to Exmark by 3:00 p.m., central time, the Distributor pays for the part and freight.
 3. Exmark being unable to ship the part and the Exmark parts order is received by 3:00 p.m., central time, Exmark pays for the part and freight.
 4. If the part does not arrive overnight due to the shipper (UPS), the shipper pays for the freight and Exmark pays for the part.



The following restrictions apply -- The Exmark Parts Plus® Program is available only through participating Exmark Dealers and applies only to orders submitted on this program Monday through Thursday. Parts Plus service is available only in the 48 contiguous United States. UPS has initiated a Saturday delivery program to many areas of the continental United States and can be requested for an overnight shipment on Friday to be delivered Saturday. The next day air charge, plus the Saturday delivery fee will be the responsibility of the purchaser. Exmark Mfg. will assume no responsibility for Saturday delivery shipments. To qualify, all Exmark Parts Plus® orders must be received by Exmark by 3:00 p.m., central time. Orders must be six (6) line items or less. Exclusions from the Exmark Parts Plus® Program are: Any wholegood or accessory in its entirety, engines and engine replacement parts, 5-speed Peerless transmissions and 5-speed transaxles, hydraulic or hydrostatic wheel motors, cutter decks and engine decks or any item exceeding United Parcel Service size and weight restrictions.

Due to UPS restrictions, aerosol spray paint is considered a hazardous material and cannot be shipped via UPS next day or Second Day Air.

Exmark Manufacturing stocks a limited supply of parts for transaxles, pumps and wheel motors. These parts can be ordered for Next Day Air shipment but will not be guaranteed per the Parts Plus Program.

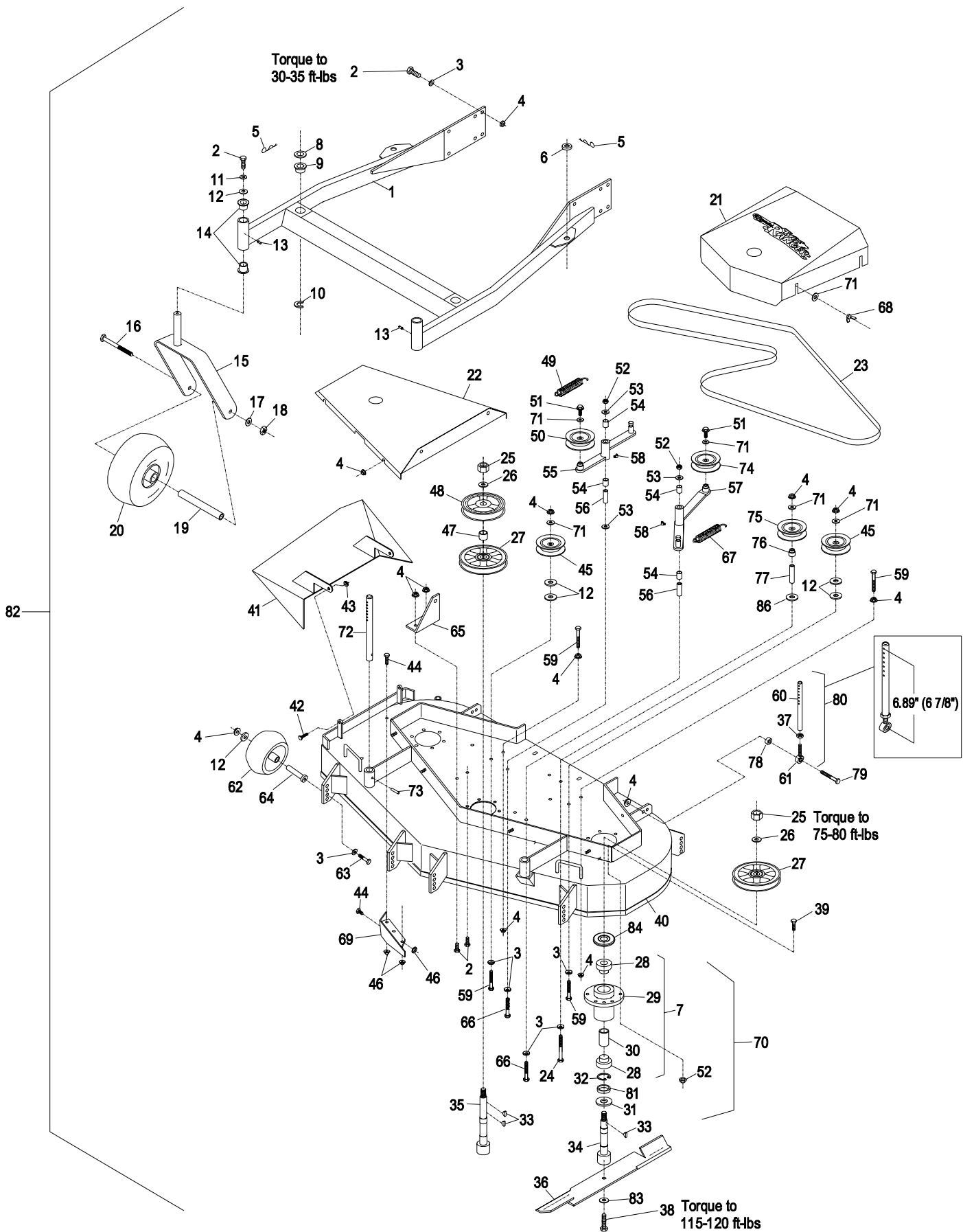


**READ OPERATOR'S MANUAL BEFORE
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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52" MOWER DECK FMD523



52" MOWER DECK FMD523

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-604960	Support,deck 1-612092-01 w/bshgs & decals.....	1	39	323-7	Capscrew,3/8-16 x 1 1/4.....	18
2	323-6	Capscrew, 3/8-16 x 1.....	12	40	1-612155	Deck, 1-612287-01 w/decals,rods&baffle	1
3◇	98-5975	Washer, disc spring 3/8.....	19	41	1-602571-01	Chute, discharge.....	1
4◇	3290-357	Nut, whizlock 3/8-16.....	33	42	322-5	Capscrew, 5/16-18 x 1.....	2
5	1-806009	Hairpin, .177.....	4	43	3296-29	Nut, nylock 5/16-18.....	2
6	1-323539	Spacer, blade driver.....	2	44	322-2	Capscrew, 5/16-18 x 5/8.....	6
7	1-634619	Housing w/brg,spacer&ring.....	2	45	1-303516	Pulley, V-Idler.....	2
8	1-413425	Spacer.....	2	46	32128-20	Nut, whizlock 5/16-18.....	6
9	1-513336	Bushing, deck support.....	2	47	1-603504	Spacer, tube.....	1
10	32120-33	Ring, retaining (external).....	2	48	1-603581	Sheave, mower drive.....	1
11	3253-5	Washer,lock 3/8hvy spring.....	2	49	1-603413	Spring, extension.....	1
12◇	1-373034	Washer, pivot.....	12	50	1-603497	Pulley, idler.....	1
13	302-52	Zerk, 1/8 NPT (straight).....	2	51	3239-11	Screw, whizlock 3/8-16 x 1.....	2
14	1-303514	Bearing, flange thrust.....	4	52	3296-39	Nut, nylock 3/8-16.....	20
15	1-522143-01	Fork, caster.....	2	53	3256-4	Washer, 3/8.....	3
16	325-20	Capscrew, 1/2-13 x 6.....	2	54	1-513034	Bearing, pivot.....	4
17	3253-7	Washer, lock 1/2.....	2	55	1-602604	Idler arm assy w/bearings.....	1
18	3217-9	Nut, 1/2-13.....	2		1-602591-03	Arm, deck idler.....	1
19	1-513547	Spacer, front caster (pneumatic).....	2	56	1-603384	Bushing, idler pivot.....	2
■	103-2169	Spacer, front caster (semi-pneumatic).....	2	57	1-602865	Idler arm, w/bearings deck drive....	1
20★	103-1224	Tire/wheel asm(semi-pneumatic).....	2		1-602867-03	Arm, deck drive idler.....	1
★	1-513648	Tire/wheel asm (pneumatic).....	2	58	302-40	Zerk, 1/4-28 (90°).....	2
	1-513809	Roller Bearing (all).....	2	59	323-11	Capscrew, 3/8-16 x 2-1/4.....	4
	1-513810	Bushing (pneumatic).....	4	60	1-413525	Link, rear deck support.....	2
○	103-2170	Bushing (semi-pneumatic).....	4	61	1-613204	Balljoint.....	2
	1-513807	Wheel & Hub (pneumatic).....	2	62	1-603299	Roller, anti scalp.....	6
	1-513808	Tire 9 x 3.50-4 4-ply (pneumatic).....	2	63	98-5961	Capscrew, 3/8-16 x 4 Gr8.....	6
21	1-544835	Cover w/decals.....	1	64	1-603602	Bushing, roller.....	6
22	1-602545-01	Cover, deck.....	2	65	1-603620-01	Bracket, spring anchor.....	1
23	1-603576	Belt, blade drive.....	1	66	1-800805	Capscrew, 3/8-16x3 1/2 Gr8.....	2
24◇◆	323-16	Capscrew, 3/8-16 x 4.....	1	67	1-603414	Spring, extension.....	1
Δ	323-23	Capscrew, 3/8-16 x 4 1/2.....	1	68	1-543678	Wingnut, nylock.....	4
25	3219-6	Nut, 5/8-18 UNF.....	3	69	1-602913-01	Baffle.....	1
26	1-513208	Spring, disk.....	3	70▲	103-1185	Housing, cutter complete cntr).....	1
27	1-553039	Sheave, blade drive.....	3		103-1187	Housing, cutter complete (outr).....	2
28	1-513016	Bearing, ball.....	6	71◇	3256-24	Washer, 3/8 SAE.....	9
29	1-323532	Housing, bearing.....	3	72	1-603001	Rod, deck support.....	2
30	1-323528	Spacer, bearing.....	3	73	1-806332	Roll pin, 1/4 x 1-1/2.....	2
31	1-633573	Guard, dust.....	3	74	1-613098	Pulley, flat idler.....	1
32	32120-8	Snap ring.....	3	75◇	1-603805	Idler.....	1
33	3257-32	Key, woodruff #61.....	4	76◇	1-513791	Bushing.....	1
34	103-0958	Spindle, outer blade.....	2	77◆◆	1-603494	Spacer.....	1
35	103-0959	Spindle, center blade.....	1	Δ	1-633988	Spacer.....	1
36	1-633482	Blade, notched air foil.....	3	78	1-603050	Spacer.....	2
	1-613251	Blade, solid air foil.....	3	79	323-9	Capscrew, 3/8-16 x 1 3/4.....	2
	1-633485	Blade, low lift.....	3	80◇	1-414521	Link Assy.....	2
□	1-633484	Blade, mulching.....	3	81	1-323533	Spacer, Sheave/Brg.....	3
	103-1578	Blade, bahia.....	3	82	103-1305	Asm,complete deck.....	1
37	3219-3	Nut, hex 3/8-24.....	2	83	103-0865	Washer,blade bolt hvy.....	3
38	103-0862	Capscrew,5/8-18x2 3/4(Gr8).....	3	84	103-1331	Guard,bearing top.....	3
				85◆	103-2171	Kit,semi-pneumatic wheel replacement	1
				86◆◆	1-373034	Washer,pivot.....	1

◇ These parts are available in an Idler Pulley Kit (Part No. 1-601806). Each kit contains one item each of the referenced item number.

◆ Link assembly must be assembled to 6.89" (or approx 6 7/8") length between center of ball joint & center of furthest hole. See diagram on previous page.

□ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523.

★ FMD523 & FMD603 decks with Serial No. 274,506 & above have semi-pneumatic caster tires. FMD523 & FMD603 decks with Serial No. 274,505 & below have pneumatic caster tires

■ Front caster spacer for semi-pneumatic caster tires can be identified by yellow zinc plating.

○ Bushing for semi-pneumatic caster tires can be identified by a groove on the face.

◆ Kit 103-2171 used to install semi-pneumatic casters on machines originally fitted with pneumatic casters. Includes 103-1224 & 103-2169. Order 2 per machine.

▲ **Outer** complete cutter housing includes sheave,washer & nut.

Center complete cutter housing includes sheaves,washer, spacer & nut.

Exmark red touch up spray paint - P/N 1-850337

Δ Turf Ranger Serial No. 320,000 & above only. Provided in Turf Ranger bolt bag.

◆ Turf Ranger Serial No. 319,999 & below only. Provided in Turf Ranger bolt bag.



60" MOWER DECK FMD603

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-604847	Support,deck 1-612094-01		42	302-40	Zerk, 1/4-28 (90°).....	2
		w/bshgs&decals.....	1	43	1-800805	Capscrew, 3/8-16 x 3.5.....	2
2	323-6	Capscrew, 3/8-16 x 1.....	12	44	323-11	Capscrew, 3/8-16 x 2-1/4.....	4
3◇	98-5975	Washer, disc spring 3/8.....	19	45	1-303516	Pulley, V-idler.....	2
4◇	3290-357	Nut, whizlock 3/8-16.....	26	46	1-513034	Bearing, pivot.....	4
5	806009	Hairpin, .177.....	4	47	3256-4	Washer, 3/8 stdn flat.....	3
6	1-323537	Spacer.....	2	48	3239-11	Bolt, whizlock 3/8-16 x 1.....	2
7◆	1-414521	Link Assy.....	2	49	322-2	Capscrew, 5/16-18 x 5/8.....	3
8	1-413425	Washer.....	2	50	1-602867-03	Arm, deck drive idler.....	1
9	1-513336	Bushing, deck support.....	2		1-602865	Idler arm asm,deck drive w/brgs.....	1
10	32120-33	Ring, retaining (external).....	2	51	1-602591-03	Arm, deck idler.....	1
11◇	1-373034	Washer, pivot.....	12		1-602604	Idler arm, w/bearings.....	1
12	1-303514	Bearing, flange thrust.....	4	52	1-603384	Bushing, idler pivot.....	2
13	302-52	Zerk, 1/8 NPT (straight).....	2	53	1-603504	Spacer, tube.....	1
14	1-522143-01	Fork, caster.....	2	54	32128-20	Nut, whizlock 5/16-18.....	3
15	325-20	Capscrew, 1/2-13 x 6.....	2	55	1-603413	Spring, extension.....	1
16	3253-7	Washer, lock 1/2.....	2	56	3253-5	Washer,lock 3/8 hvy spring.....	2
17	3217-9	Nut, 1/2-13.....	2	57	1-413525	Link, rear deck support.....	2
18	1-513547	Spacer,front caster (pneumatic).....	2	58	3219-3	Nut, hex 3/8-24.....	2
■	103-2169	Spacer,front caster (semi-pneumatic).....	2	59	3296-39	Nut, nylock 3/8-16.....	26
19★	103-1224	Tire/whl asm(semi-pneumatic).....	2	60	1-612149	Deck, 1-612286-01 w/decals,	
★	1-513648	Tire/whl assy(pneumatic).....	2		rods&baffle.....	1	
	1-513809	Roller Bearing (all).....	2	61	1-603602	Bushing, roller.....	6
	1-513810	Bushing (pneumatic).....	4	62	1-603299	Roller, anti scalp.....	6
❖	103-2170	Bushing (semi-pneumatic).....	4	63	98-5961	Capscrew, 3/8-16x4 (Gr 8).....	6
	1-513807	Wheel & Hub (pneumatic).....	2	64	1-542606-01	Chute, discharge.....	1
	1-513808	Tire 9x3.50-4 4-ply (pneumatic).....	2	65	323-5	Capscrew, 5/16-18 x 1.....	2
20	1-544849	Cover w/decals (deck drv belt).....	1	66	3296-29	Nut, nylock 5/16-18.....	2
21	1-603050	Spacer.....	2	67	1-800031	Tapbolt, 3/8-16 x 2 3/4.....	2
22	1-543678	Wingnut, nylon insert.....	4	68	1-613098	Pulley, flat idler.....	1
23	1-513291	Bumper, seat.....	2	69◇◆	323-16	Capscrew, 3/8-16x4 (Gr 5).....	1
24	1-542588-01	Cover, deck.....	2	▽	323-23	Capscrew, 3/8-16x4 1/2 (Gr 5).....	1
25	1-603045	Belt, blade drive.....	1	70	1-603497	Pulley, idler.....	1
26	323-7	Capscrew, 3/8-16 x 1 1/4.....	18	71	1-613024	Sheave, mower drive.....	1
27	3219-6	Nut, 5/8-18 UNF.....	3	72	1-602913-01	Baffle.....	1
28	1-513208	Washer, disc spring.....	3	73◇	3256-24	Washer, 3/8 SAE.....	13
29	1-553039	Sheave, blade drive.....	3	74▲	103-1187	Cutter housing complete outer.....	2
30	1-513016	Bearing, ball.....	6		103-1186	Cutter housing complete center.....	1
31	1-323532	Bearing, housing.....	3	75	1-603001	Rod, deck support.....	2
32	1-323528	Spacer, bearing.....	3	76	1-806332	Roll pin, 1/4 x 1-1/2.....	2
33	1-633573	Guard.....	3	77	1-603620-01	Bracket, spring anchor.....	1
34	32120-8	Snap ring.....	3	78◇	1-603805	Idler.....	1
35	3257-32	Key, woodruff 5/8 x 3/16.....	4	79◇	1-513791	Bushing.....	1
36	103-0958	Spindle, outer blade.....	2	80◇◆	1-603494	Spacer.....	1
37	103-0959	Spindle, center blade.....	1	▽	1-633988	Spacer.....	1
38	1-633483	Blade, notched air foil.....	3	81	1-603414	Spring, extension.....	1
	1-613250	Blade, solid air foil.....	3	82	1-323533	Spacer, Shv/Brg.....	3
	1-613111	Blade, low lift.....	3	83	1-634619	Housing w/Brg,Spacer&Ring.....	3
○	103-0301	Blade, mulching.....	3	84	103-1306	Asm,complete deck.....	1
	103-1580	Blade, bahia.....	3	85	103-0865	Washer,blade bolt hvy.....	3
39	1-613204	Balljoint.....	2	86	103-1331	Guard,bearing top.....	3
40	103-0862	Capscrew, 5/8-18x2 3/4(Gr8).....	3	87□	103-2171	Kit,semi-pneumatic wheel	
41	323-9	Capscrew, 3/8-16 x 1 3/4.....	2		replacement.....	1	
				88◆◇	1-373034	Washer,pivot.....	1

◇ These parts are available in an Idler Pulley Kit (Part No. 1-601806). Each kit contains one item each of the referenced item number.

◆ Link assembly must be assembled to 6.89" (or approx. 6 7/8") length between center of ball joint & center of furthest hole. See diagram on previous page.

★ FMD523 & FMD603 decks with Serial No. 274,506 & above have semi-pneumatic caster tires. FMD523 & FMD604 decks with Serial No. 274,505 & below have pneumatic caster tires.

□ Kit 103-2171 used to install semi-pneumatic casters on machines originally fitted with pneumatic casters. Includes 103-1224 & 103-2169. Order 2 per machine.

■ Front caster spacer for semi-pneumatic caster tires can be identified by yellow zinc plating.

❖ Bushing for semi-pneumatic caster tires can be identified by a groove on the face.

○ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK603.

Exmark red touch up spray paint - P/N 1-850337

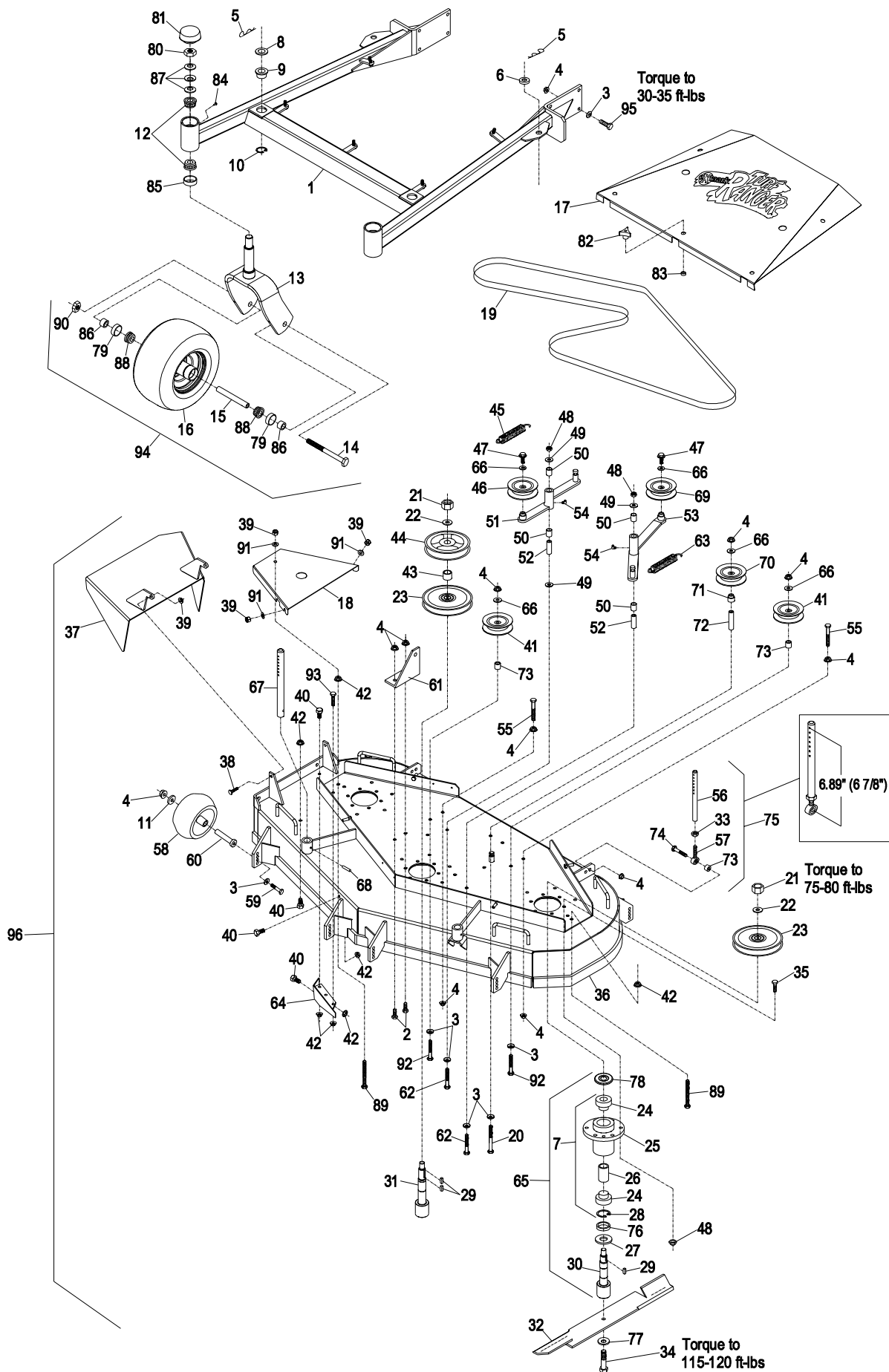
▲ **Outer** complete cutter housing includes sheave,washer & nut.

Center complete cutter housing includes sheaves,washer,spacer & nut.

▽ Turf Ranger Serial No. 320,000 & above only. Provided in Turf Ranger bolt bag.

◆ Turf Ranger Serial No. 319,999 & below only. Provided in Turf Ranger bolt bag.

52" MOWER DECK FMD524



52" MOWER DECK FMD524

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1895	Support, deck 103-2324-01w/bsgs&decals	1	47	3234-11	Screw, whizlock 3/8-16 x 1	2
2	323-6	Capscrew, 3/8-16 x 1	2	48	3296-39	Nut, nylock 3/8-16	20
3	98-5975	Washer, disc spring 3/8	19	49	3256-4	Washer, 3/8	3
4	3290-357	Nut, whizlock 3/8-16	25	50	1-513034	Bearing, pivot	4
5	1-806009	Hairpin, .177	4	51	1-602604	Idler arm assy w/bearings	1
6	1-323539	Spacer	2		1-602591-03	Arm, deck idler	1
7	1-634619	Housing w/Brg, Spcr & Ring	3	52	1-603384	Bushing, idler pivot	2
8	1-413425	Spacer	2	53	1-602865	Idler arm, w/ brngs deck drive...	1
9	1-513336	Bushing, deck support	2		1-602867-03	Arm, deck drive idler	1
10	32120-33	Ring, retaining (external)	2	54	302-40	Zerk, 1/4-28 (90°)	2
11	1-373034	Washer, pivot	6	55	323-11	Capscrew, 3/8-16 x 2-1/4	2
12	1-543509	Bearing cone, tapered roller	4	56	1-413525	Link, rear deck support	2
	1-543508	Bearing cup, tapered roller	4	57	1-613204	Balljoint	2
13	103-1891-01	Fork, caster	2	58	1-603299	Roller, anti scalp	6
14	325-20	Capscrew, 1/2-13 x 6	2	59	98-5961	Capscrew, 3/8-16 x 4 Gr8	6
15	103-2355	Spacer, front caster	2	60	1-603602	Bushing, roller	6
16	103-1687	Tire & Wheel Asm	2	61	1-603620-01	Bracket, spring anchor	1
	1-513032	Tire, 11 x 4-5 4 ply	2	62	1-800805	Capscrew, 3/8-16 x 3 1/2 Gr8	2
	103-2274	Wheel	2	63	1-603414	Spring, extension	1
	1-633584	Bearing cup	4	64	1-602913-01	Baffle	1
17	103-2333	Cover, w/ decal	1	65▲	103-2328	Housing, cutter complete (center) ..	1
18	103-2318-01	Cover, deck	2		103-1140	Housing, cutter complete (outer)	2
19	103-2329	Belt, blade drive	1	66	3256-24	Washer, 3/8 SAE Flat	5
20	323-23	Capscrew, 3/8-16 x 4.5	1	67	1-603001	Rod, deck support	2
21	3219-6	Nut, 5/8-18 UNF	3	68	1-806332	Roll pin, 1/4 x 1-1/2	2
22	1-513208	Spring, disk	3	69	1-613098	Idler	1
23	1-633701	Sheave, blade drive	3	70	1-603805	Idler	1
24	1-513016	Bearing	6	71	1-513791	Bushing	1
25	1-323532	Housing, bearing	3	72	1-633988	Spacer	1
26	1-323528	Spacer, bearing	3	73	1-603050	Spacer	4
27	1-633573	Guard, dust	3	74	323-9	Capscrew, 3/8-16 x 1 3/4	2
28	32120-8	Snap ring	3	75❖	1-414521	Link Assy	2
29	10-8040	Key, square	4	76	1-323533	Spacer, Shv/Brg	3
30	103-2326	Spindle, outer blade (short)	2	77	103-0865	Washer, Blade bolt hvy	3
31	103-2219	Spindle, center blade (long)	1	78	103-1331	Guard, bearing top	3
32	1-633482	Blade, notched air foil	3	79	103-0063	Seal, caster	4
	1-613251	Blade, solid air foil	3	80	3296-51	Nut, nyloc 3/4-10	2
	1-633485	Blade, low lift	3	81	1-543513	Cap, grease	2
■	1-633484	Blade, mulching	3	82	1-323385	Knob, 3 prong	5
	103-1578	Blade, bahia	3	83	1-323417	Washer, belt cover mounting	5
33	3219-3	Nut, hex 3/8-24	2	84	1-811010	Plug	2
34	103-0862	Capscrew, 5/8-18x2 3/4 Gr8	3	85	1-543511	Seal, grease	2
35	323-8	Capscrew, 3/8-16 x 1 1/2	18	86	1-633581	Spacer, bearing	4
36	103-2335	Deck, 103-2321-01 w/ rods & baffle	1	87	1-633508	Washer, spring disk	6
37	103-2348-01	Chute, Discharge	1	88	1-633585	Bearing, cone	4
38	322-5	Capscrew, 5/16-18 x 1	2	89	1-800017	Bolt, Tap 5/16-18 x 3 1/4	2
39	3296-29	Nut, nylock 5/16-18	8	90	3296-45	Nut, nyloc 1/2-13 thin	2
40	322-2	Capscrew, 5/16-18 x 5/8	5	91	3256-3	Washer, 5/16 flat	6
41	1-303516	Pulley, V-Idler	2	92	323-12	Capscrew, 3/8-16 x 2 1/2	2
42	32128-20	Nut, whizlock 5/16-18	8	93	322-3	Capscrew, 5/16-18 x 3/4	1
43	1-603504	Spacer, tube	1	94	103-2495	Caster Wheel Assy	2
44	1-603581	Sheave, mower drive	1	95	323-7	Capscrew, 3/8-16 x 1 1/4	8
45	1-603413	Spring, extension	1	96	103-2327	Complete deck assembly	1
46	1-603497	Pulley, idler	1				

Exmark red touch up spray paint - P/N 1-850337

■ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK524.

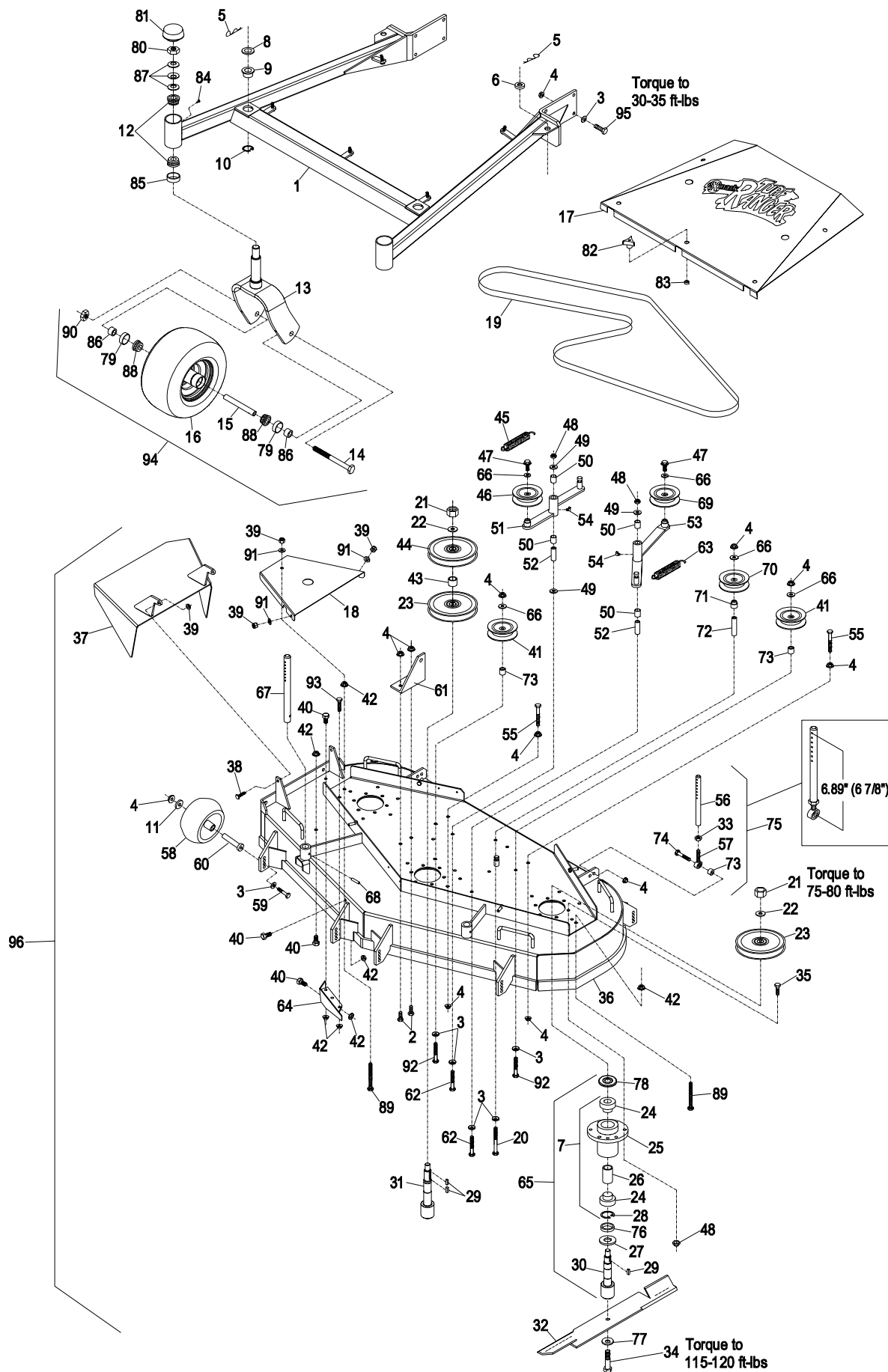
❖ Link assembly must be assembled to 6.89" (or approx. 6 7/8") length between center of ball joint & center of furthest hole. See diagram on next page.

▲ Outer cutter housing complete includes sheave, washer & nut.

Center cutter housing complete includes sheaves, washer, spacer & nut.

Note: Kit 103-2250 is required when installing FMD524 or 604 to Turf Ranger unit Serial No. 319,999 & below.

60" MOWER DECK FMD604



60" MOWER DECK FMD604

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1896	Support, deck 103-2249-01 w/bsgs&decals.....	1	46	1-603497	Pulley, idler.....	1
2	323-6	Capscrew, 3/8-16 x 1	2	47	3234-11	Screw, whizlock 3/8-16 x 1.....	2
3	98-5975	Washer, disc spring 3/8.....	19	48	3296-39	Nut, nylock 3/8-16	20
4	3290-357	Nut, whizlock 3/8-16	25	49	3256-4	Washer, 3/8	3
5	1-806009	Hairpin, .177	4	50	1-513034	Bearing, pivot	4
6	1-323539	Spacer	2	51	1-602604	Idler arm Assy w/bearings	1
7	1-634619	Housing w/Brg, Spcr & Ring	3		1-602591-03	Arm, deck idler	1
8	1-413425	Spacer	2	52	1-603384	Bushing, idler pivot	2
9	1-513336	Bushing, deck support	2	53	1-602865	Idler arm, w/ brngs deck drive	1
10	32120-33	Ring, retaining (external)	2		1-602867-03	Arm, deck drive idler	1
11	1-373034	Washer, pivot	6	54	302-40	Zerk, 1/4-28 (90°).....	2
12	1-543509	Bearing cone, tapered roller	4	55	323-11	Capscrew, 3/8-16 x 2-1/4	2
	1-543508	Bearing cup, tapered roller	4	56	1-413525	Link, rear deck support.....	2
13	103-1891-01	Fork, caster	2	57	1-613204	Balljoint	2
14	325-20	Capscrew, 1/2-13 x 6.....	2	58	1-603299	Roller, anti scalp	6
15	103-2355	Spacer, front caster	2	59	98-5961	Capscrew, 3/8-16 x 4 Gr8	6
16	103-1687	Tire & Wheel Asm	2	60	1-603602	Bushing, roller	6
	1-513032	Tire, 11 x 4-5 4 ply.....	2	61	1-603620-01	Bracket, spring anchor	1
	103-2274	Wheel	2	62	1-800805	Capscrew, 3/8-16 x 3 1/2 Gr8	2
	1-633584	Bearing cup	4	63	1-603414	Spring, extension	1
17	103-2276	Cover, w/ decal.....	1	64	1-602913-01	Baffle	1
18	103-2271-01	Cover, deck RH.....	1	65▲	103-2314	Housing, cutter complete (center) .	1
	103-2272-01	Cover, deck LH.....	1		103-1140	Housing, cutter complete (outer)...	2
19	1-633173	Belt, blade drive.....	1	66	3256-24	Washer, 3/8 SAE Flat	5
20	323-23	Capscrew, 3/8-16 x 4.5.....	1	67	1-603001	Rod, deck support	2
21	3219-6	Nut, 5/8-18 UNF	3	68	1-806332	Roll pin, 1/4 x 1-1/2	2
22	1-513208	Spring, disk	3	69	1-613098	Idler.....	1
23	1-633701	Sheave, blade drive	3	70	1-603805	Idler.....	1
24	1-513016	Bearing	6	71	1-513791	Bushing.....	1
25	1-323532	Housing, bearing	3	72	1-633988	Spacer	1
26	1-323528	Spacer, bearing	3	73	1-603050	Spacer	4
27	1-633573	Guard, dust.....	3	74	323-9	Capscrew, 3/8-16 x 1 3/4	2
28	32120-8	Snap ring.....	3	75❖	1-414521	Link Assy	2
29	10-8040	Key, square	4	76	1-323533	Spacer, Shv/Brg	3
30	103-2326	Spindle, outer blade (short)	2	77	103-0865	Washer, Blade bolt hvy	3
31	103-2219	Spindle, center blade (long).....	1	78	103-1331	Guard, bearing top	3
32	1-633483	Blade, notched air foil	3	79	103-0063	Seal, caster	4
	1-613250	Blade, solid air foil	3	80	3296-51	Nut, nyloc 3/4-10.....	2
	1-613111	Blade, low lift	3	81	1-543513	Cap, grease	2
■	103-0301	Blade, mulching.....	3	82	1-323385	Knob, 3 prong	5
	103-1580	Blade, bahia	3	83	1-323417	Washer, belt cover mounting	5
33	3219-3	Nut, hex 3/8-24.....	2	84	1-811010	Plug.....	2
34	103-0862	Capscrew, 5/8-18x2 3/4 Gr8.....	3	85	1-543511	Seal, grease.....	2
35	323-8	Capscrew, 3/8-16 x 1 1/2	18	86	1-633581	Spacer, bearing.....	4
36	103-2278	Deck, 103-2267-01 w/ rods & baffle	1	87	1-633508	Washer, spring disk	6
37	103-2349-01	Chute, Discharge.....	1	88	1-633585	Bearing, cone	4
38	322-5	Capscrew, 5/16-18 x 1.....	2	89	1-800017	Bolt, Tap 5/16-18 x 3 1/4	2
39	3296-29	Nut, nylock 5/16-18	8	90	3296-45	Nut, nyloc 1/2-13 thin	2
40	322-2	Capscrew, 5/16-18 x 5/8.....	5	91	3256-3	Washer, 5/16 flat.....	6
41	1-303516	Pulley, V-Idler.....	2	92	323-12	Capscrew, 3/8-16 x 2 1/2	2
42	32128-20	Nut, whizlock 5/16-18	8	93	322-3	Capscrew, 5/16-18 x 3/4	1
43	1-603504	Spacer, tube	1	94	103-2495	Caster Wheel Assy.	2
44	103-2270	Sheave, mower drive	1	95	323-7	Capscrew, 3/8-16 x 1 1/4	8
45	1-603413	Spring, extension.....	1	96	103-2279	Complete deck assembly	1

Exmark red touch up spray paint - P/N 1-850337

■ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK604.

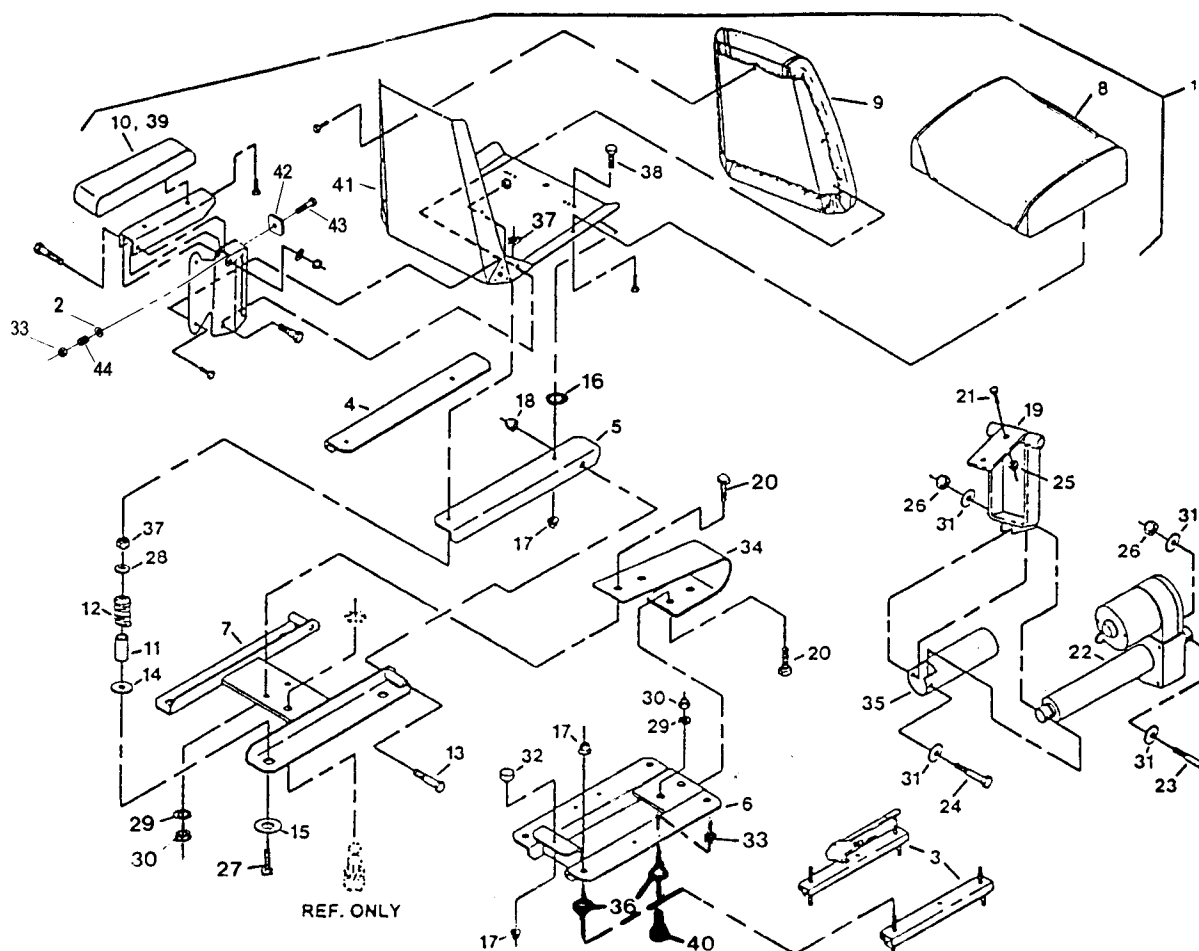
❖ Link assembly must be assembled to 6.89" (or approx. 6 7/8") length between center of ball joint & center of furthest hole. See diagram on next page.

▲ Outer cutter housing complete includes sheave, washer & nut.

Center cutter housing complete includes sheaves, washer, spacer & nut.

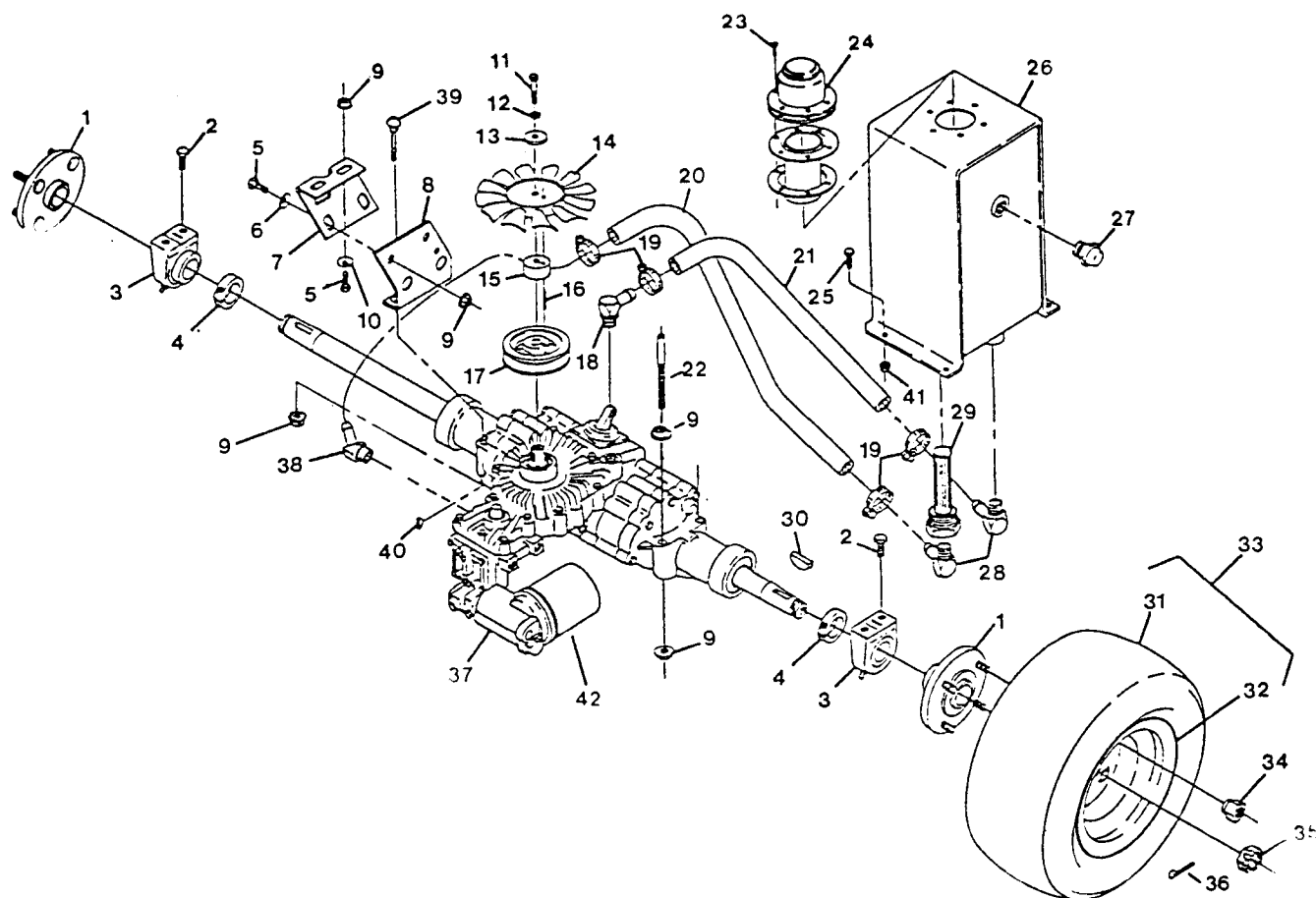
Note: Kit 103-2250 is required when installing FMD524 or FMD604 deck to Turf Ranger unit Serial No. 319,999 & below.

SEAT ASSY and LIFT ACTUATOR



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0465	Seat complete w/armrests	1	24	3212-12	Screw, 7/16-20 x 3.....	1
2	3256-23	Washer, 5/16 SAE	1	25	3290-357	Nut, flange 3/8-16	2
3	1-543357	Seat track, adjustable (6")	1	26	3296-7	Nut, nylock 7/16-20.....	2
4	1-543319-03	Rail, seat (LH)	1	27	1-800015	Tap bolt, 5/16-18 x 2 1/2.....	2
5	1-543321-03	Rail, seat (RH)	1	28	3256-3	Washer, 5/16	2
6	1-542307	Base rail, seat	1	29	3253-7	Washer, lock 1/2.....	4
7	1-542315-03	Seat rail wldmnt	1	30	3217-9	Nut, nylock 1/2-13.....	4
8	103-0290	Cushion, seat.....	1	31	3256-25	Washer, 7/16	4
9	103-0289	Cushion, back rest.....	1	32	1-543963	Bumper, rubber.....	1
10	103-0292	Pad, arm rest (RH)	1	33	3296-29	Nut, nylock 5-16-18.....	4
11	1-513479	Bushing, spring guide	2	34	1-543356	Spring, seat (TR)	1
12	1-513296	Spring	2	35	1-543834	Guard, actuator.....	1
13	325-13	Screw, 1/2-13 x 3 1/4.....	2	36	1-543401	Spacer, track	6
14	325-6	Washer, 1/2	2	37	3217-6	Nut, 5/16-18.....	2
15	1-213069	Strut, adjustment spacer...	2	38	323-3	Screw, 5/16-18 x 3/4.....	2
16	3256-4	Flatwasher, 3/8 std	2	39	103-0291	Pad, arm rest (LH)	1
17	32128-20	Nut, whizlock 5/16-18	9	40	32122-14	Screw, 5/16-18 x 3/4 CR	2
18	3296-23	Nut, nylock 1/2-13.....	2	41	1-633859	Seat Frame.....	1
19	1-542283	Pivot wldmnt, actuator	1	42	103-0284	Tab, armrest adjustment	2
20	325-5	Screw, 1/2-13 x 1 1/4.....	4	43	322-7	Screw, 5/16-18 11/2.....	2
21	323-6	Screw, 3/8-16 x 1	2	44	1-633349	Spring, compression.....	1
22	1-543241	Actuator, linear.....	1				
23	3212-9	Screw, 7/16-20 x 5.....	1				

Exmark black touch up spray paint - Gloss black
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AXLE and HYDRAULICS

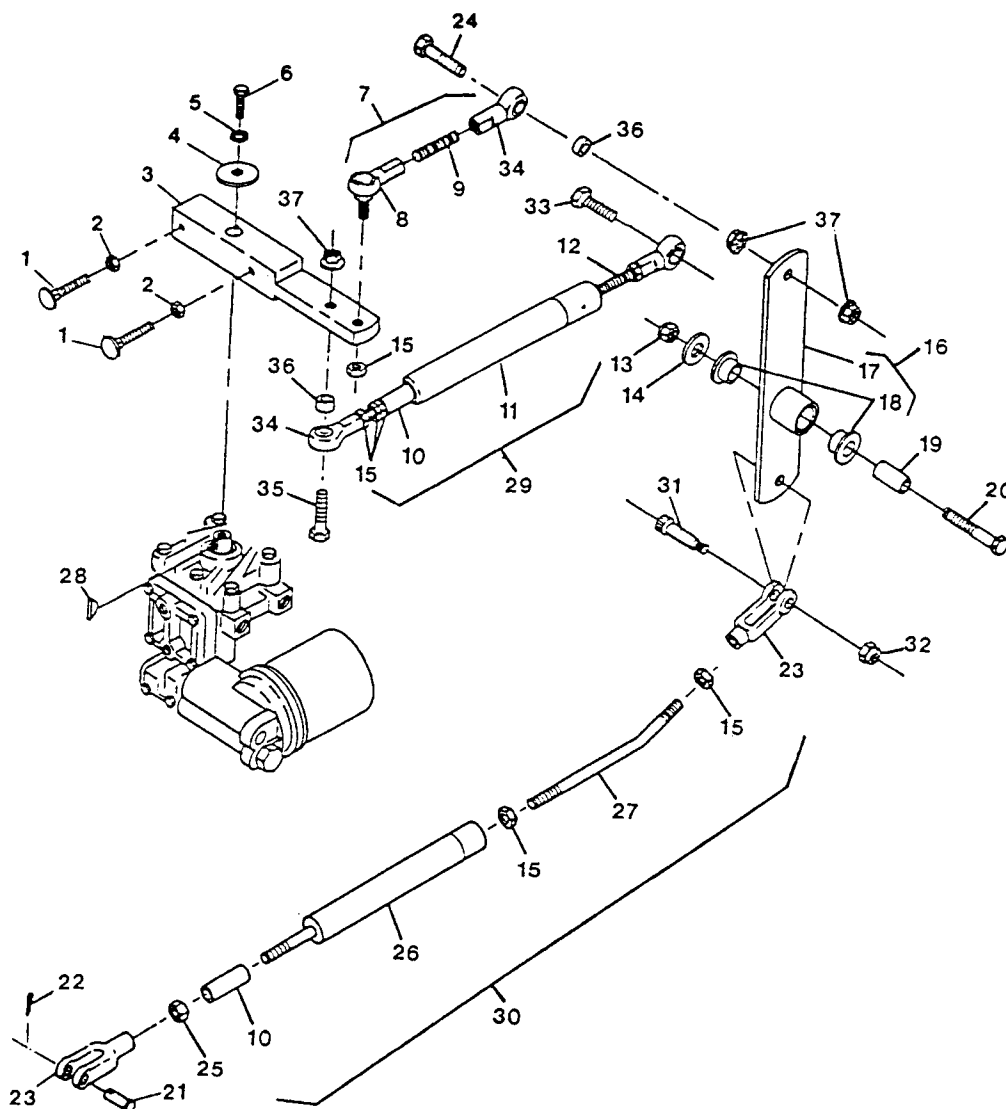
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-602997	Hub, wheel (tapered).....	2	22	1-543054	Pin, guide	2
	1-613150	Stud, 1/2-20.....	8	23	1-802002	Screw, 10-32x1/2 thrd ctng	6
2	3234-12	Screw, whizlock 3/8-16x3/4	4	24	1-543541	Breather, filler & cap.....	1
3*	1-543485	Bearing, pillow base	2	25	322-3	Capscrew, 5/16-18 x 3/4 ..	1
f	1-840022	Pro-Lock, Nut Type (.5cc Tube) Use on Setscrews in Bearings.		26	1-542913-03	Tank, hydraulic	1
4*	1-373021	Clamp, collar (1").....	2	27	1-543894	Oil Eye, hyd tank	1
5	323-4	Capscrew, 3/8-16 x 3/4	4	28	1-543889	Elbow, 90°	2
6	98-5975	Washer, disc spring 3/8	2	29	1-543864	Suction strainer	1
7	1-543996-01	Stabilizer, axle (upper).....	1	30	1-807019	Key, woodruff 1 x 1/4.....	2
8	1-543476-01	Stabilizer, (axle lower)	1	31	1-543680	Tire, 20 x 10-8	2
9	3290-357	Nut, whizlock 3/8-16	10	32	1-513042	Rim	2
10	3256-4	Washer, 3/8 std. Flat.....	2	33	1-543396	Tire and wheel assy	2
11	321-9	Capscrew, 1/4-20 x 1-1/2 ...	1	34	242-50	Nut, wheel 1/2-20	8
12	1-805004	Lockwasher, 1/4 hvy spring	1	35	32136-5	Nut, slotted 3/4-16	2
13	1-503033	Washer, pulley retainer	1	36	1-806800	Pin, cotter, 9/64 x 1-1/2	2
14	1-543359	Fan, 7" OD/10 blade.....	1	37	1-543055	Transaxle 851-114 Series	1
15	1-543317	Spacer, fan	1	38	1-543888	Elbow, 45°	1
16	1-806328	Rollpin, 7/32 x 7/8.....	1	f	1-603919	O-Ring.....	1
17	1-543928	Pulley, cast iron	1	39	1-807525	Bolt, 3/8-16x2-3/4 carriage	2
18	1-543887	Elbow, 90°	1	f	1-840022	Pro-Lock, Nut Type (.5cc Tube) Use on Threads.	
f	1-603919	O-Ring	1	40	3257-32	Key, woodruff 3/8 x 5/16...	1
19	1-543892	Hose Clamp	4	41	32128-20	Nut, whizlock 5/16-18.....	4
20	1-543930	Hose, 16.5 Push Lok	1	42	1-513211	Element, oil filter.....	1
21	1-543931	Hose, 8.0 Push Lok	1				

f Not Illustrated.

* Apply antisieze compound to bore.

Exmark black touch up spray paint - Gloss black

Exmark red touch up spray paint - P/N 1-850337

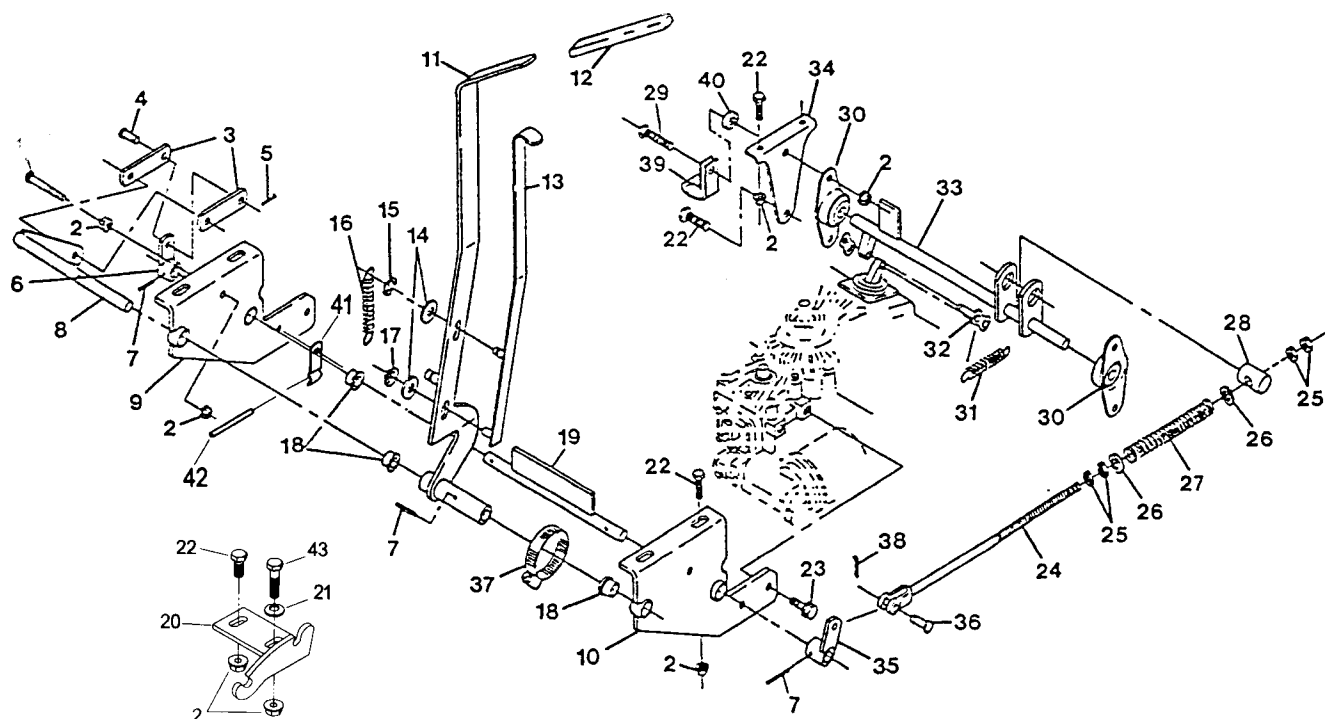
MOTION CONTROLS

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-807522	Bolt, carriage 5/16-18 x 2....	2	19	1-543486	Bushing.....	1
2	3217-6	Nut, 5/16-18.....	2	20	322-12	Capscrew, 5/16-18 x 2-1/2	1
3	1-542916-01	Arm, transaxle.....	1	21	1-808280	Pin, clevis 5/16 x 1.....	1
4	1-503033	Washer, pulley retainer.....	1	22	3272-5	Pin, cotter 3/32 x 1/2.....	1
5	1-805004	Washer, lock 1/4 hvy spring	1	23	1-303105	Yoke, adjustable.....	2
6	1-800751	Capscrew, 1/4-20 x 1-1/2....	1	24	322-7	Capscrew, 5/16-18 x 1-1/2	1
7	1-544722	Linkage, motion control.....	1	25	3219-2	Nut, 5/16-24.....	1
8	1-513132	Joint, ball.....	1	26	1-512136-03	Housing, override.....	1
9	1-543710	Rod, end.....	1	27	1-543052	Rod, link.....	1
f	1-840022	Pro-Lock, Nut Type (.5ml Tube) Use on both Rod ends		28	3257-1	Key, woodruff #3, 1/8x1/2.	1
10	1-513479	Bushing, spring guide.....	2	29	1-542725	Spring assy, pedal (center)	1
11	1-542724-01	Centering spring wldmnt....	1	30	1-542053	Spring, pedal (override)....	1
12	1-543148	Rod, end.....	1	31	1-809057	Screw, 5/16x3/4 sckt hd shld	1
13	3296-29	Nut, nylock 5/16-18.....	1	32	3296-42	Nut, nylock 1/4-20.....	1
14	3256-3	Washer, 5/16 std. flat.....	1	33	3210-5	Capscrew, 5/16-24 x 1.....	1
15	3220-2	Nut, jam 5/16-24 (RH).....	8	34	1-543017	Ball joint.....	3
16	1-544711	Idler linkage S/A.....	1	35	322-6	Capscrew, 5/16-18 x 1-1/4	1
17	1-542144-01	Linkage, idler.....	1	36	1-603500	Spacer.....	2
18	1-513140	Bearing, control.....	2	37	32128-20	Nut, whizlock 5/16-18.....	3

Exmark black touch up spray paint - Gloss black

f Not Illustrated.

PARKING BRAKE

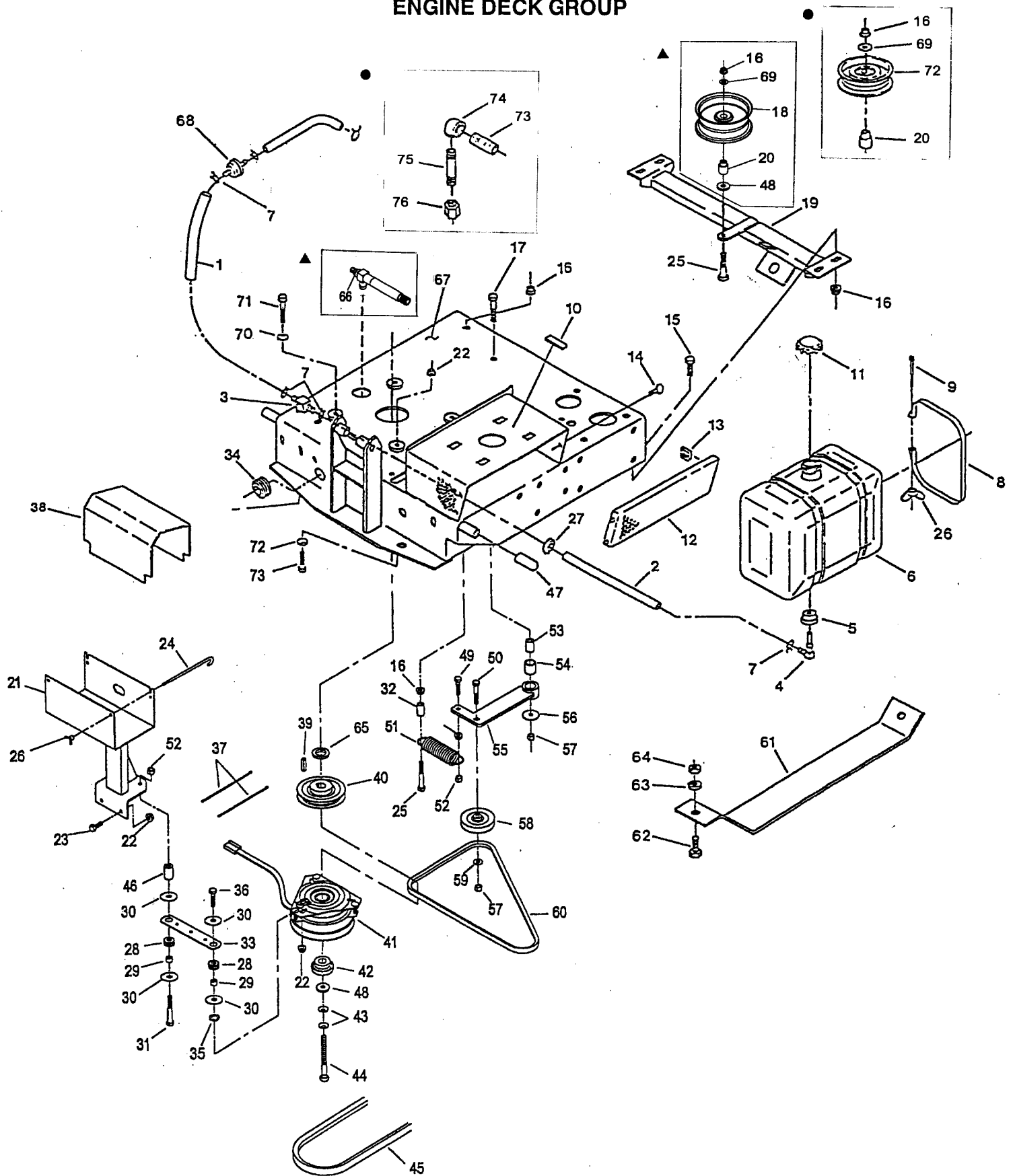


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322-11	Capscrew, 5/16-18 x 2-1/4.	1	23	3234-5	Bolt, whizlock 5/16-18 x 3/4	4
2	32128-20	Nut, whizlock, 5/16-18.....	13	f	1-840022	Pro-Lock Nut Type (.5ml Tube) Use on bolt threads	
3	1-543115	Link, brake.....	2	24	1-543721	Linkage, brake	1
4	1-808278	Pin, clevis 5/16 x 3/4	2	25	3220-3	Nut, jam 3/8-24 pltd	4
5	3272-10	Pin, cotter 1/8 x 3/4	2	26	3256-4	Washer, 3/8	2
6	1-542123-01	Arm, butterfly control	1	27	1-543132	Spring, brake protect	1
7	1-806328	Roll pin, 7/32 x 7/8	3	28	1-543129	Pin, trunion.....	1
8	1-542190	Pivot wldmt, brake lever	1	29	322-5	Capscrew, 5/16-18 x 1.....	1
9	1-552058-01	Support, transmission (LH)	1	30	1-543514	Flange mntg (side).....	2
10	1-552059-01	Support, transmission (RH)	1	31	1-543543	Spring, 3 x 1/2.....	1
11	1-542192-01	Handle, brake	1	32	1-543745	Link, connector #60	1
12	1-303020	Grip (adjustment lever)	1	33	1-542748-01	Jackshaft, brake.....	1
13	1-542719-01	Trigger, brake	1	34	1-543138	Mount, jackshaft bearing	1
14	3256-23	Washer, 5/16.....	2	35	1-542121	Arm, brake control	1
15	32120-35	E Ring	1	36	1-808280	Pin, clevis, 5/16 x 1	1
16	1-513468	Spring, brake handle.....	1	37	1-543892	Clamp, hose.....	1
17	1-543798	Pushnut, 5/16.....	1	38	3272-5	Pin, clevis 3/32 x 1/2	1
18	1-513140	Bearing control.....	4	39	1-213148	Clamp	1
19	1-542125-01	Butterfly.....	1	40	1-543007	Spacer	1
20	1-542900-01	Quadrant, brake.....	1	41	1-553056	Spring, dump valve	1
21	1-303334	Washer, disc 5/16	2	42	1-806339	Rollpin 1/4 x 3	1
22	322-3	Capscrew, 5/16-18 x 3/4	9	43	322-6	Capscrew, 5/16-18 x 1 1/4..	1

Exmark red touch up spray paint - P/N 1-850337

f Not Illustrated.

ENGINE DECK GROUP



ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303426	Fuel line, 15"	1	41◆	1-543259	Clutch, electric (Warner)....	1
2	1-303306	Fuel line, 10"	1	42	1-603609	Bushing, clutch keeper.....	1
3	1-603770	Valve, fuel line	1	43	1-603610	Washer, spring disc 7/16 ...	2
4	1-543277	Elbow, fuel tank w/screen...	1	44◆	3212-12	Capscrew, 7/16-20 x 3	1
5	1-513645	Bushing, fuel valve	1		1-840022	Pro-Lock, Nut type (.5 ml tube)	
6	1-543364	Tank, gas	1	45	1-543523	Belt, deck drive (60" Deck)	1
7	1-303077	Clamp, gas line	4		1-543749	Belt, deck drive (52" Deck)	1
8	1-303465-03	Strap, fuel tank.....	2	46	1-553053	Spacer.....	1
9	1-801062	Screw, 1/4-20 x 2-1/2	2	47	1-303021	Grip (drive lever)	2
10	1-303315	Gas tank pad.....	2	48▲	1-373034	Washer, pivot.....	2
11	1-513508	Cap, fuel tank	1	●	1-373034	Washer, pivot.....	1
12	1-542045	Screen, air intake	1	49	3230-3	Bolt, carriage 5/16-18x1-1/4.	1
13	1-809024	Nut, retainer 1/4-20	1	50	3231-29	Bolt, carriage 3/8-16x1-3/4.	1
14	1-543791	Screw, thumb 1/4-20 x 3/4 .	1	51	1-513170	Spring.....	1
15	323-4	Capscrew, 3/8-16 x 3/4	4	52	3296-29	Nut, nylock 5/16-18	4
16	3290-357	Nut, flange 3/8-16	7	53	1-543274	Bushing, steel	1
17	323-10	Capscrew, 3/8-16 x 2	1	54	1-543502	Bushing, bronze	1
18▲	1-413099	Pulley, idler 5 3/4 OD.....	1	55	1-542270-01	Arm, hyd drive idler.....	1
19	1-542958-01	Cross member	1	56	1-213069	Strut, adjustment spacer....	3
20	1-543879	Bushing, idler.....	1	57	3296-39	Nut, nylock 3/8-16	2
21	1-542069-03	Mount, battery.....	1	58	1-543008	Pulley, idler (steel).....	1
22	32128-20	Nut, whizlock 5/16-18	10	59	3256-24	Washer, 3/8 SAE	1
23	322-3	Capscrew, 5/16-18 x 3/4	3	60	1-543548	Belt, "A" (transmission drive)	1
24	1-543882	Bolt, hold down	2	61	1-543258-01	Plate, skid	1
25	323-11	Capscrew, 3/8-16 x 2-1/4 ...	2	62	325-5	Capscrew, 1/2-13 x 1.25	2
26	1-543792	Wingnut, nylock 1/4	4	63	3253-7	Washer, 1/2	2
27	1-543296	Grommet, fuel line	1	64	3217-9	Nut, 1/2-13	2
28	1-633630	Grommet	2	65	103-2308	Spacer, crankshaft.....	1
29	1-633545	Spacer, Grommet.....	2	66*▲	103-1963	Valve,oil drain.....	1
30	1-613235	Washer.....	4	67	1-552073-01	Deck, engine	1
31	322-14	Capscrew, 5/16-18 x 3	1	68	Kohler Part No. 2405002	Fuel Filter.....	1
32	1-603401	Spacer	1	69	3256-3	Washer, 5/16	1
33	1-633543-03	Strap, Clutch	1	70	1-303334	Washer, disc spring 5/16 ...	4
34	1-543286	Grommet	1	71	322-9	Capscrew, 5/16-18 x 1-3/4.	4
35	1-805005	Washer, lock 5/16	1	72●	1-543887	Pulley,idler 5 3/4 OD	1
36	322-6	Capscrew, 5/16-18 x 1-1/4 .	1	73●*	1-303427	Nipple,3/8 NPT x 2.5.....	1
37	1-303335	Plastic tie, large	2	74●*	1-303428	Elbow,3/8 NPT	1
38	1-543891	Battery cover	1	75●*	1-543064	Nipple,3/8 NPT x 1.5.....	1
39	1-807259	Key, 1/4 x 1/4 x 1	1	76●	1-543233	Cap,3/8 NPT hex	1
40	1-543929	Pulley, engine	1				

* Use Teflon Pipe Sealant or equivalent on threads.

Exmark red touch up spray paint - P/N 1-850337

Exmark black touch up spray paint - Gloss black

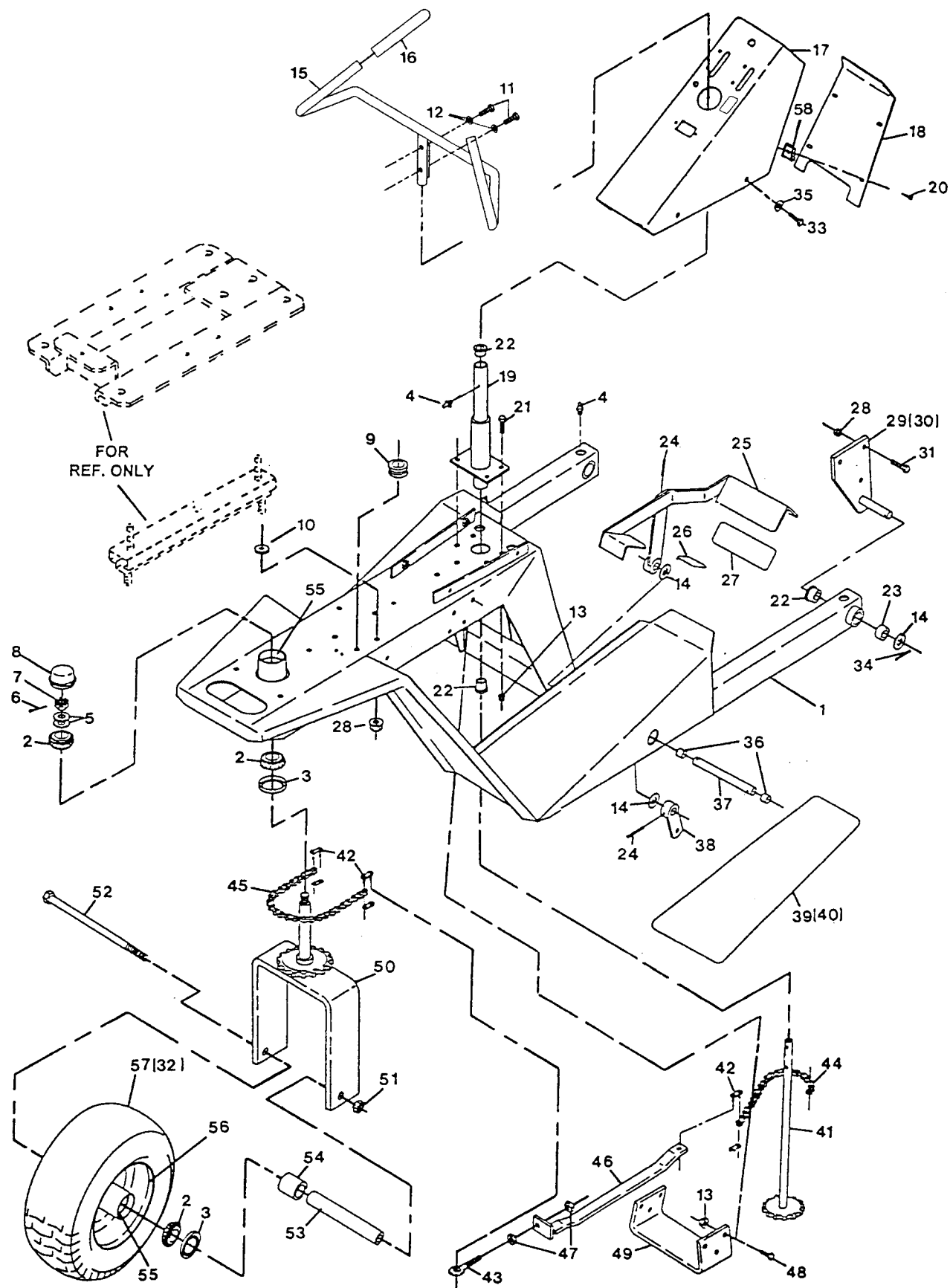
◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on clutch bolt.

▲ Used on Turf Ranger units Serial No. 320,000 & above.

● Used on Turf Ranger units Serial No. 319,999 & below.

Note: Kit 103-2250 is required to install FMD524 or FMD604 deck to Turf Ranger with Serial No. 319,999 & below. Item 18 idler and item 48 washer are included in kit.

RIDER FRAME and STEERING



RIDER FRAME and STEERING

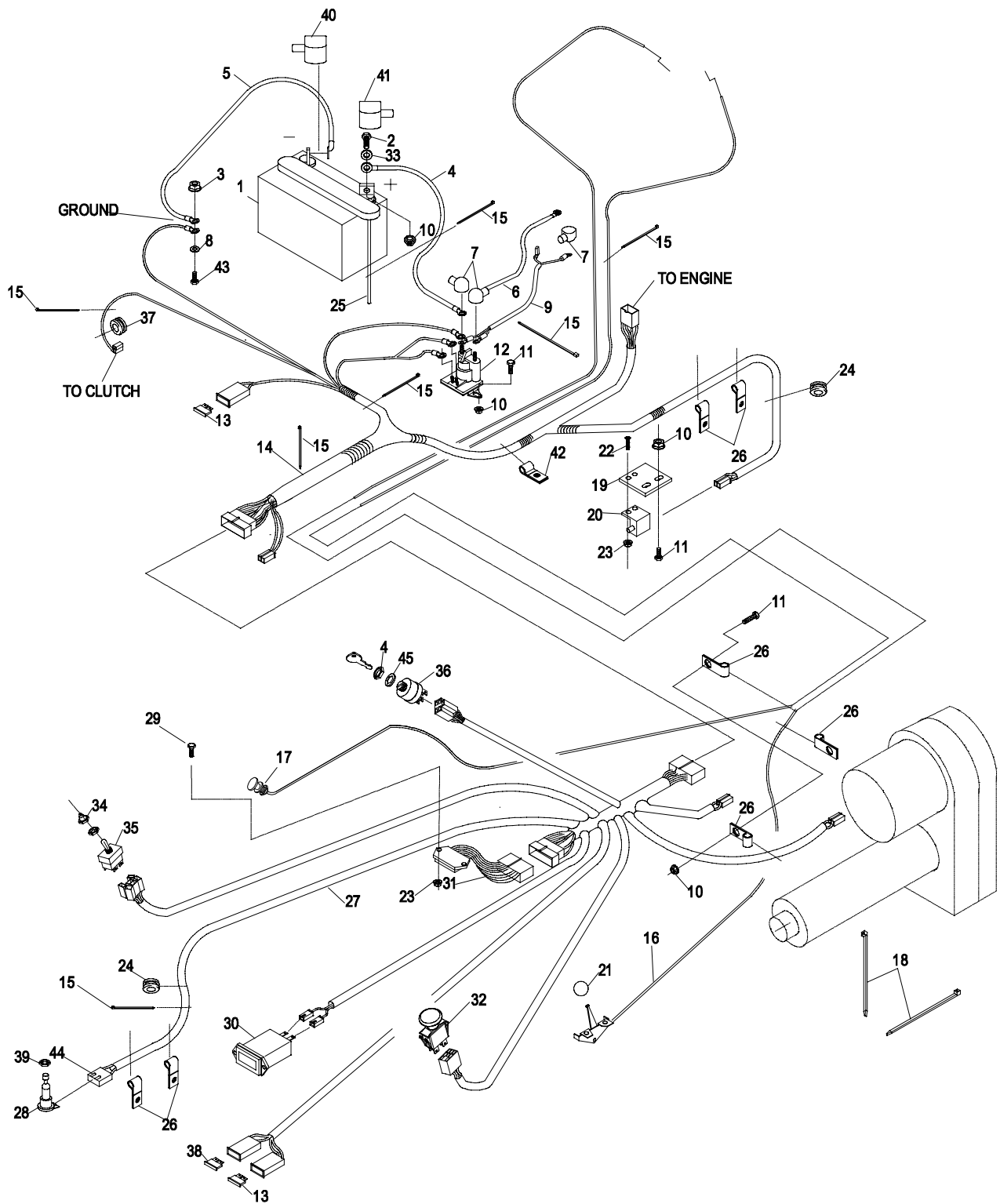
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-542920-01	Frame, rider	1	30f	1-542194-01	Bracket, pivot(LH).....	1
2	1-543509	Bearing cone, tapered roller	4	31	322-5	Capscrew, 5/16-18 x 1	5
3	1-543511	Seal, grease.....	3	32	1-543679	Tire, 18 x 7.50-8	1
4	302-19	Zerk, 1/4-28 (straight).....	3	33	321-3	Capscrew, 1/4-20 x 5/8	4
5	3256-28	Washer, 3/4sae	2	34	1-806332	Rollpin, 1/4 x 1-1/2	2
6	3272-17	Pin, cotter 5/32 x 1.25.....	1	35	3256-22	Washer, 1/4.....	4
7	32136-5	Nut, slotted 3/4-16	1	36	1-513588	Bearing, DU	2
8	1-543513	Cap, grease	1	37	1-543172-01	Shaft, foot pedal.....	1
9	1-543296	Grommet.....	1	38	1-542140-01	Lever, foot pedal	1
10	3256-3	Washer, 5/16	2	39	1-543159	Pad, rider anti-skid (R)	1
11	323-7	Capscrew, 3/8-16 x 1-1/4 ...	2	40f	1-543158	Pad, rider anti-skid (L).....	1
12	98-5975	Washer, 3/8 disc spring	2	41	1-552025	Shaft, steering	1
13	3290-357	Nut, flange 3/8-16	10	42	1-543573	Link, connector #40.....	4
14	1-303007	Washer, 6" caster pivot	4	43	1-543579	Eyebolt, 5/16-18	2
15	1-552023-03	Handle bar.....	1	44	1-543885	Chain, #40-29 Pitch.....	1
16	1-303097	Grip, handle bar	2	45	1-543886	Chain, #40-33 Pitch.....	1
17	1-553063-01	Console	1	46	1-542870-01	Link	2
18	1-543482-01	Cover, console	1	47	3218-2	Nut, jam 5/16-18.....	4
19	1-542728-03	Steering post.....	1	48	323-6	Capscrew, 3/8-16 x 1	6
20	32104-60	Screw, 10-24 x 1/2.....	4	49	1-553007-01	Stop, actuator	1
21	323-4	Capscrew, 3/8-16 x 3/4.....	4	50	1-542872-01	Mount, steering wheel.....	1
22	1-303199	Bushing, 6" caster flange....	4	51	1-803042	Nut, torque 5/8-11	1
23	1-303200	Sleeve, 6" caster.....	2	52	1-800346	Capscrew, 5/8-11 x 10-1/2 .	1
24	1-806331	Roll Pin, 1/4 x 1-1/4	2	53	1-543552	Bushing, wheel	1
25	1-542183-01	Pedal, foot.....	1	54	1-543556	Spacer, wheel (short)	2
26	1-543161	Pad, reverse control pedal..	1	55	1-543508	Bearing cup	4
27	1-543160	Pad, forward control pedal..	1	56	1-543674	Rim	1
28	32128-20	Nut, whizlock 5/16-18	9	57	1-543397	Tire/whl assy, 18.0 x 7.50-8	1
29	1-542196-01	Bracket, pivot (RH).....	1	58	1-803055	U-clip, #10-24	4

f Not Illustrated.

Exmark red touch up spray paint - P/N 1-850337

Exmark black touch up spray paint - Gloss black

ELECTRICAL GROUP

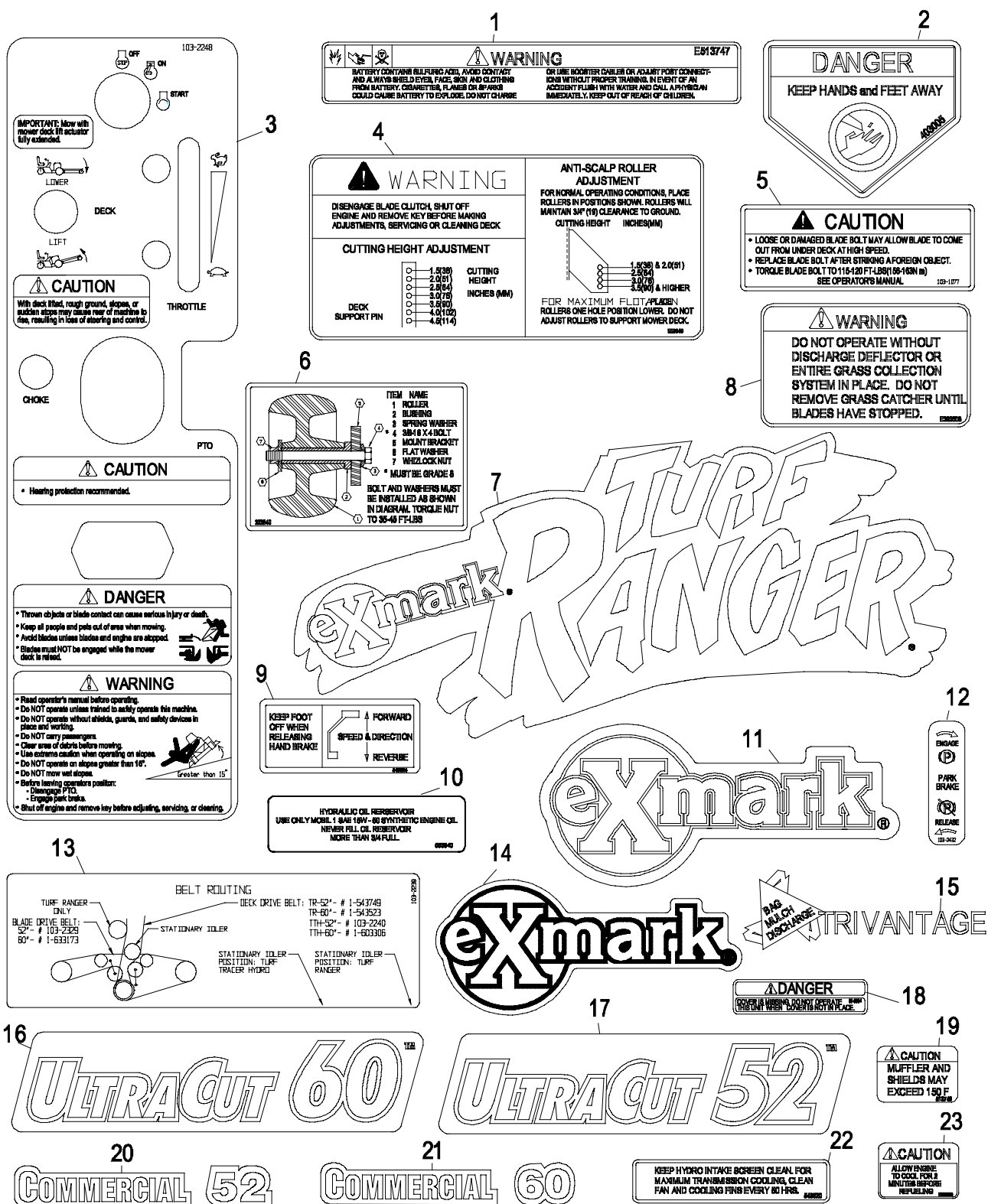


ELECTRICAL GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0293	Battery, 12 volt.....	1	25	1-809040	Hose, battery manifold (23")	1
2	321-4	Capscrew, 1/4-20 x 3/4	2	26	1-513762	Clip, 1/2" Loom.....	7
3	32128-20	Nut, whizlock 5/16-18	1	27	1-553064	Harness, wire (rider)	1
4	103-0499	Seal, Ignition.....	1	28	1-603760	Switch, seat safety	1
5	1-543767	Wire, ground (-).....	1	29	1-807527	Bolt, carriage. 10-24 x 3/4....	4
6	1-603488	Wire, starter.....	1	30	1-513374	Meter, engine hours	1
7	1-543393	Insulator, solenoid (pos. +)...	3	31	1-543316	Module, safety interlock	1
8	1-303334	Washer, disc spring 5/16	1	32	1-633673	Switch, toggle w/clip term	1
9	103-1126	Harness, wire	1	33	3256-2	Flatwasher, 1/4	2
10	32128-33	Nut, whizlock 1/4-20	12	34	1-543386	Boot, toggle switch	1
11	321-3	Capscrew, 1/4-20 x 5/8	10	35	1-543385	Switch, toggle DPDT	1
12	1-513075	Switch, 12 volt solenoid	1	36	1-543070	Ignition switch w/keys	1
13	1-816001	Fuse, blade 20 AMP	2		103-2106	Key, Exmark logo	1
14	1-543065	Harness, wire (engine)	1		1-603511	Ignition key	1
15	1-303287	Plastic tie, (small)	7	37	1-543286	Grommet	1
16	1-633696	Cable, throttle	1	38	1-816003	Fuse, blade 30 AMP	1
17	1-603336	Cable, choke	1	39	1-543348	Nut, 5/8-32 (seat switch)	1
18	1-303335	Plastic tie, (large).....	2	40	1-543391	Insulator, battery positive	1
19	1-323128	Bracket, safety switch.....	1	41	1-543390	Insulator, battery negative....	1
20	1-513051	Switch, neutral lockout	1	42	1-603727	Clip, 9/16 Loom	1
21	1-513592	Knob, red ball	1	43	322-9	Capscrew, 5/16-18 x 1-3/4....	1
22	32108-55	Screw, 10-24 x 5/8 flathead..	2	44	1-543335	Connector, Packard 2-way...	1
23	3296-2	Nut, nylock 10-24	6	45	103-0498	Nut, Ignition	1
24	1-543296	Grommet	1				

NOTE: Apply dielectric grease to all electrical connectors.

DECALS



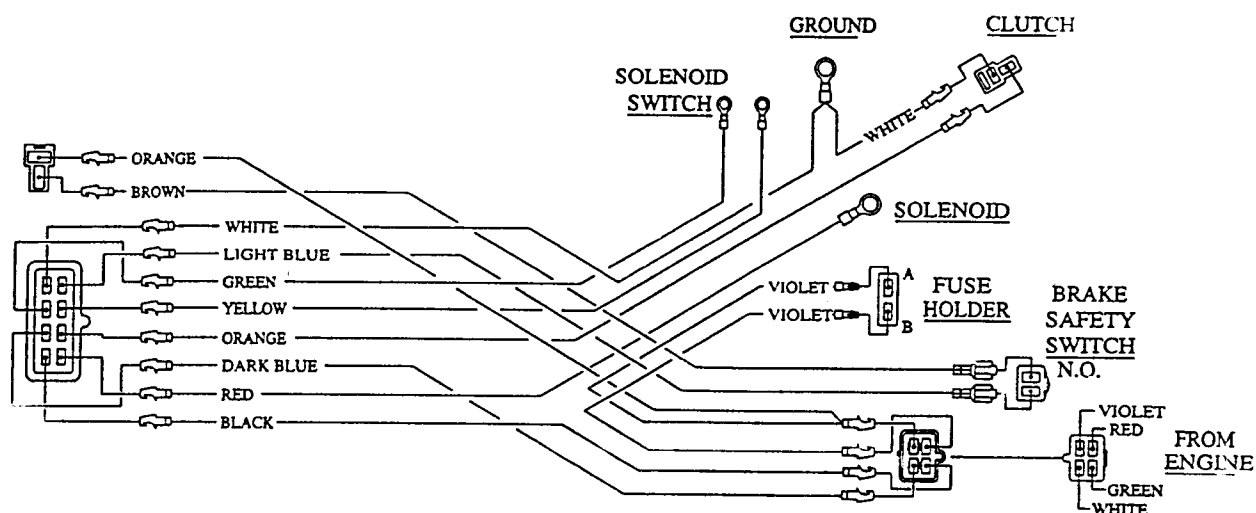
DECALS

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-513747	Decal, Battery	1	13▲	103-2239	Decal, Belt Routing.....	1
2	1-403005	Decal, Danger.....	2	*	1-613100	Decal, Belt Routing.....	1
3	103-2248	Decal, Console	1	14	1-643103	Decal,"Exmark"	2
4	1-553049	Decal, Mower Deck	1	15*	1-303520	Decal, Tri-Vantage	1
5	103-1077	Decal, Bolt Torque.....	1	16▲	103-1146	Decal, Ultracut 60.....	1
6	1-323540	Decal, Roller Mounting		17▲	103-1145	Decal, Ultracut 52.....	1
7▲	103-2425	Decal, Turf Ranger "Swash".	1	18	98-5954	Decal, Missing Cover	3
*	1-543293	Decal, Turf Ranger "Swash".	1	19	1-513746	Decal, Muffler	1
8	1-303508	Decal, Discharge Warning....	1	20*	1-403132	Decal, Commercial 52".....	1
9	1-543624	Decal, Foot Pedal	1	21*	1-613050	Decal, Commercial 60".....	1
10	1-553040	Decal, Hydraulic Tank	1	22	1-543620	Decal, Intake	1
11	103-1983	Decal, Exmark logo	1	23	1-303293	Decal, 2 Minute Warning.....	1
12	103-2432	Decal, Brake Lever	1	*	1-551016	Decal Kit Complete	1
				▲	103-2550	Decal Kit Complete	1

* FMD523 or FMD603

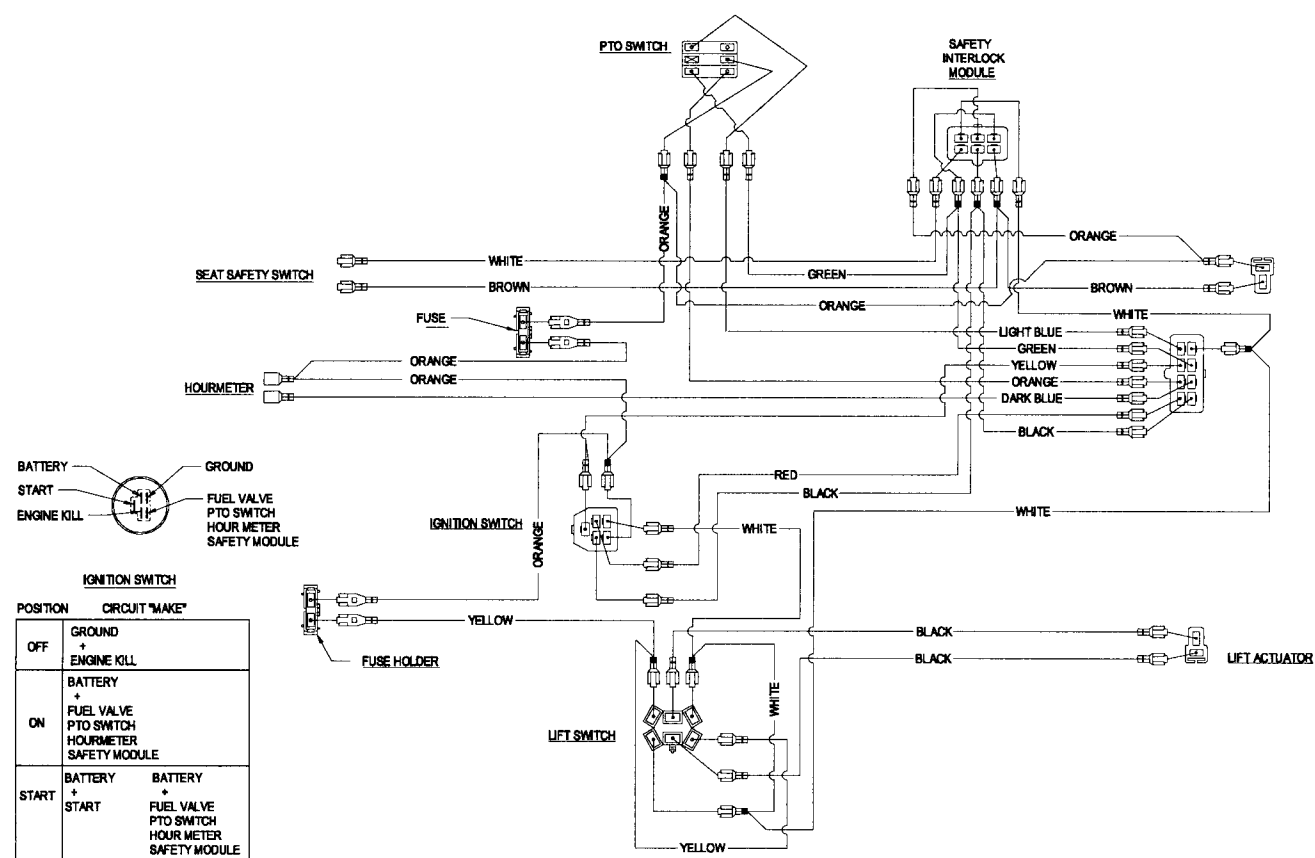
▲ FMD524 or FMD604

ELECTRICAL DIAGRAM



Engine Deck Wiring Diagram

NOTE: All connectors are viewed from the *wire input* side of the connector.



Console Wiring Diagram

NOTE: All connectors are viewed from the *wire input* side of the connector.

SERVICE RECORD

[illegible]

SERVICE RECORD

[illegible]

NOTES

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