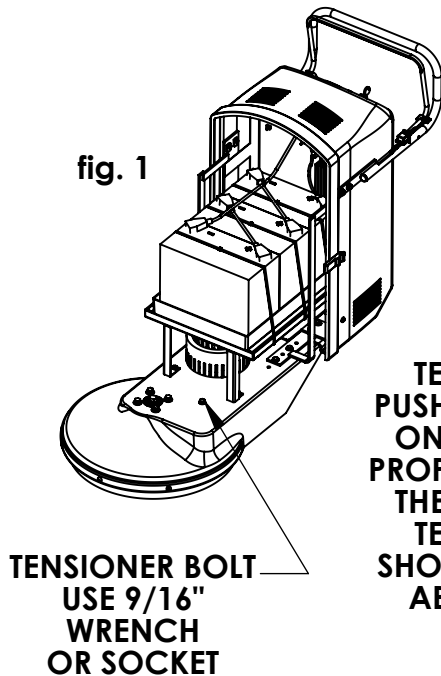
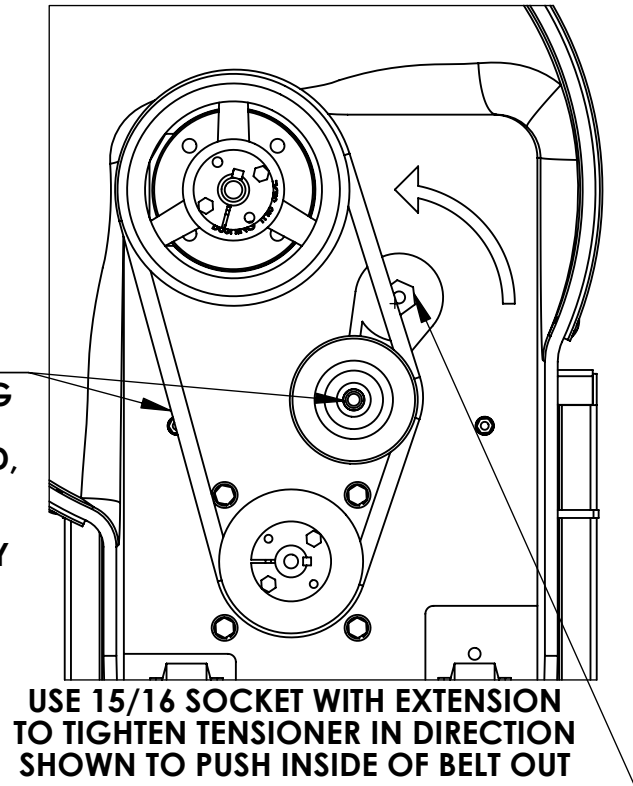


XT3-21 BELT TENSIONING INSTRUCTIONS

figure 2
DETAIL VIEW OF BELT AND TENSIONER



TEST TENSION BY
PUSHING OR PULLING
ON BELT. WITH BELT
PROPERLY TENSIONED,
THE PULLEY ON THE
TENSIONER ARM
SHOULD MOVE ONLY
ABOUT AN INCH.

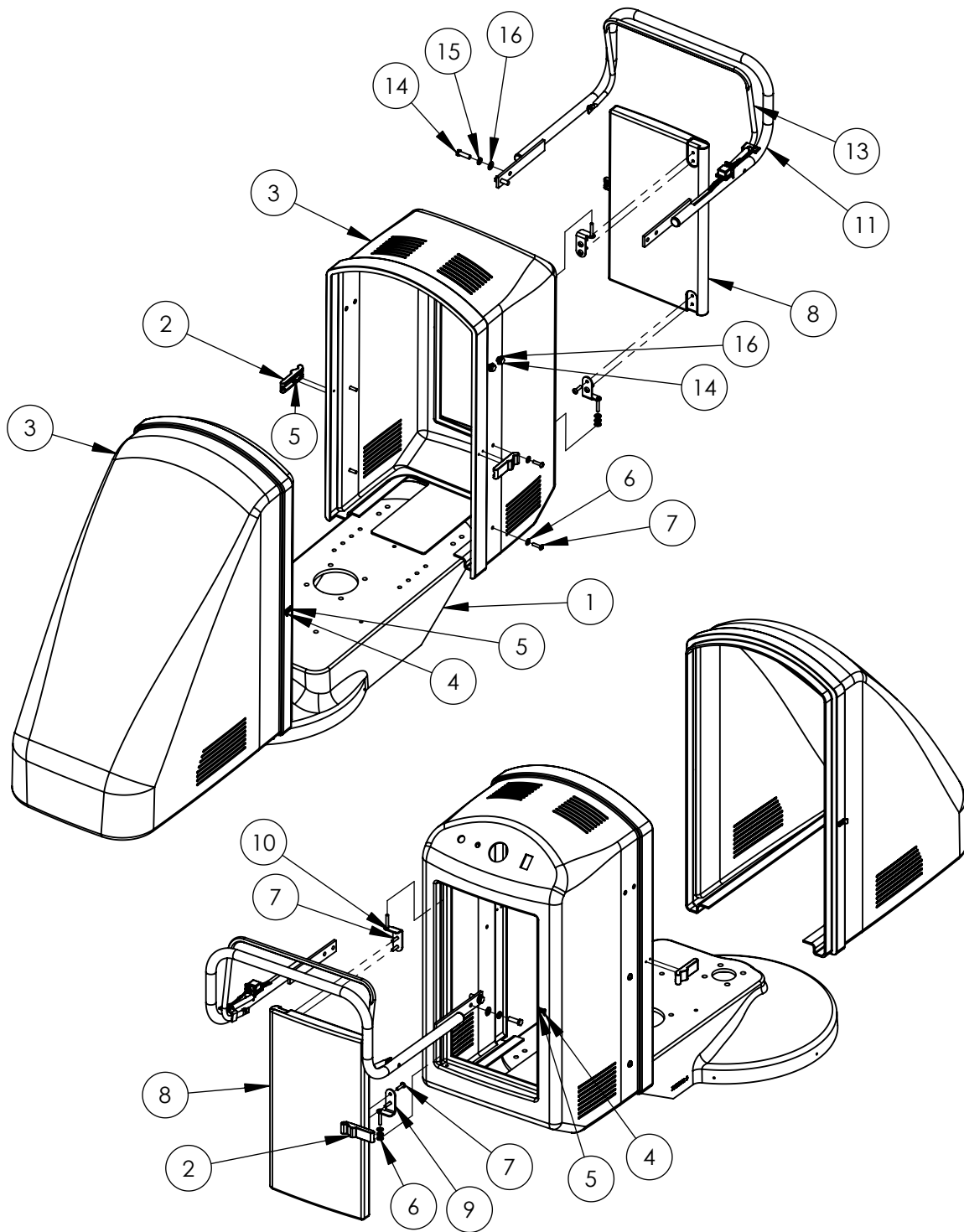


TO TIGHTEN THE BELT TENSIONER

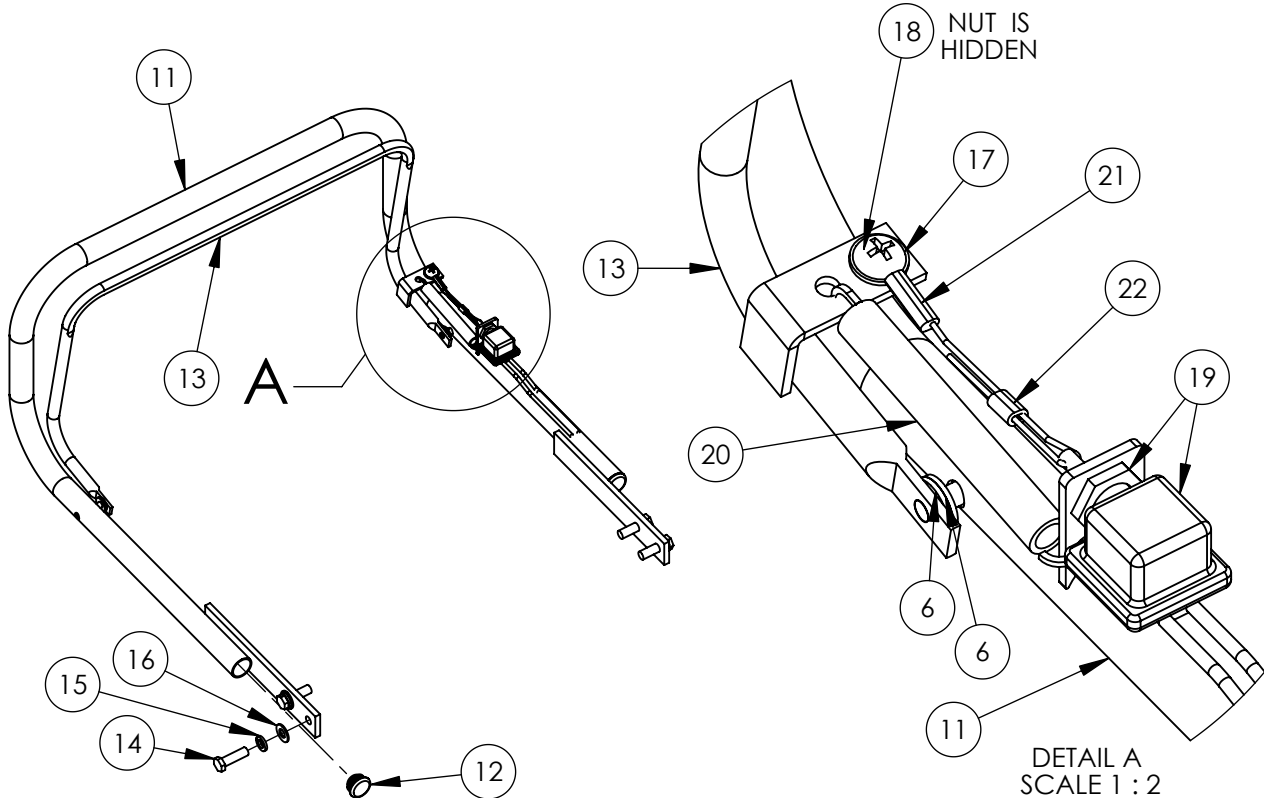
(Tensioner may have slipped, or belt may have stretched)

1. Tilt machine back and remove front cover
2. Using a 3/4" open end wrench, secure the top of the shaft and remove pad driver assembly. (see "Pad Changing Instructions" page)
3. On the top of the deck, use a 9/16" wrench or socket to loosen tensioner bolt. Leave a little snug to help hold tensioner in place after adjustment. (location shown in fig. 1)
4. Using a 15/16" socket with an extension, fully tighten tensioner from the underside of deck, and back off 10 to 15 degrees. This will be about 2 inches at the end of the socket handle. (Note: This is about one mark on the tensioner. There are five marks on the side of the tensioner, which are difficult to see with the tensioner in place. Each mark is equal to about 15 degrees. This leaves the tensioner at about 60 degrees of tightness.)(see figure 2)
5. While holding position tensioner in this proper location, fully tighten the tensioner bolt from the top. **TIGHTEN SECURELY!**
6. Make sure tensioner did not slip by pushing or pulling on side of belt away from tensioner. Belt should be tight and move the tensioner arm 10 to 15 degrees (about 1").

XT3-21 COVER AND HANDLE

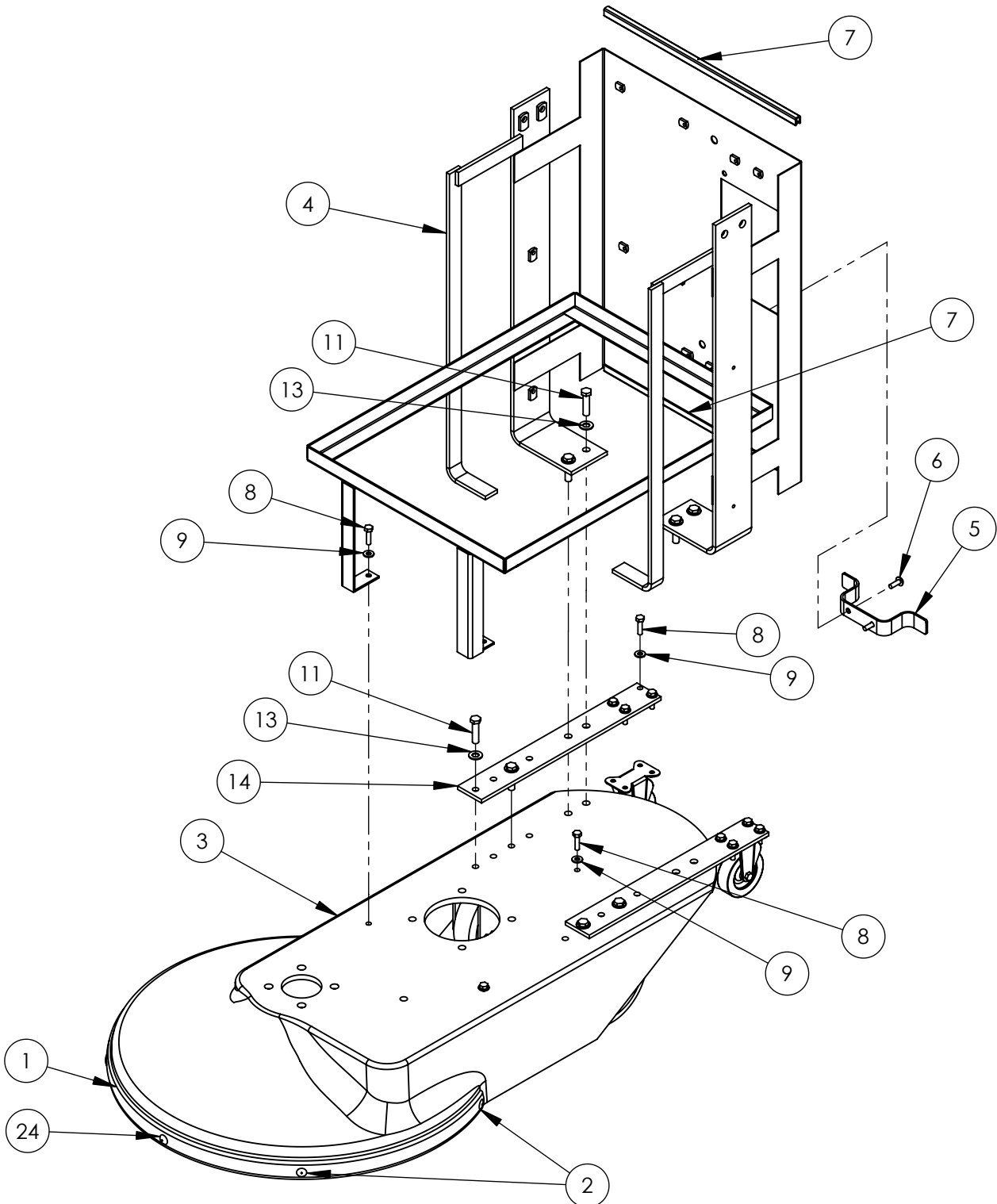


XT3-21 COVER AND HANDLE

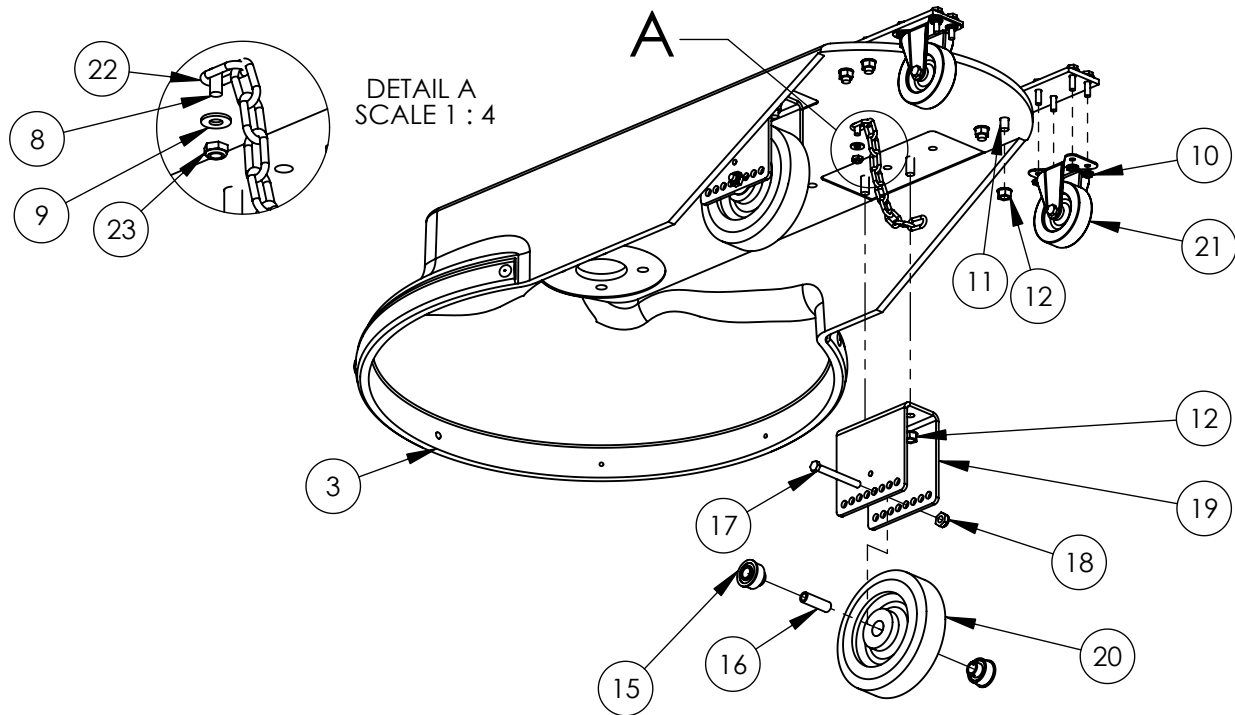


ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	E012653	1	21" DURACOAT MILLED DECK
2	E012633	3	LATCH, RUBBER DRAW (PART 1 OF 2)
3	E012625	1	ROTOMOLDED SHROUD XT21G3
4	E012633	3	LATCH, RUBBER DRAW (PART 2 OF 2)
5	E012676	12	RIVET, LOAD SPREADING, 5/32"
6	E011834	11	WASHER, FLAT, 1/4
7	E012219	8	SCREW, 1/4-20 x 1, PHMS, BLACK
8	E012632	1	DOOR, ACCESS
9	E012640	1	HINGE WELDMENT A
10	E012641	1	HINGE WELDMENT B
11	E012638	1	HANDLE, MAIN XTG3
12	E010259	2	CAP, TUBING, BLACK, 1"
13	E012639	1	HANDLE, SAFETY SHUTOFF XTG3
14	E011051	4	BOLT, HEX, 1/4-20 x 1.25
15	E011504	4	WASHER, LOCK, 3/8
16	E011136	4	WASHER, FLAT, 3/8 SAE
17	E011122	1	SCREW, 1/4-20 x .5, PHMS, SS
18	E012242	1	NUT, FLANGED, 1/4-20
19	E012215	1	SWITCH, SAFETY SHUTOFF
20	E011565	1	SPRING, HANDLE RETURN
21	E011553	1	LANYARD 3/64 x 6"
22	E012221	1	SLEEVE FOR LANYARD, ALUMINUM

XT3-21 DECK, FRAME, AND WHEELS

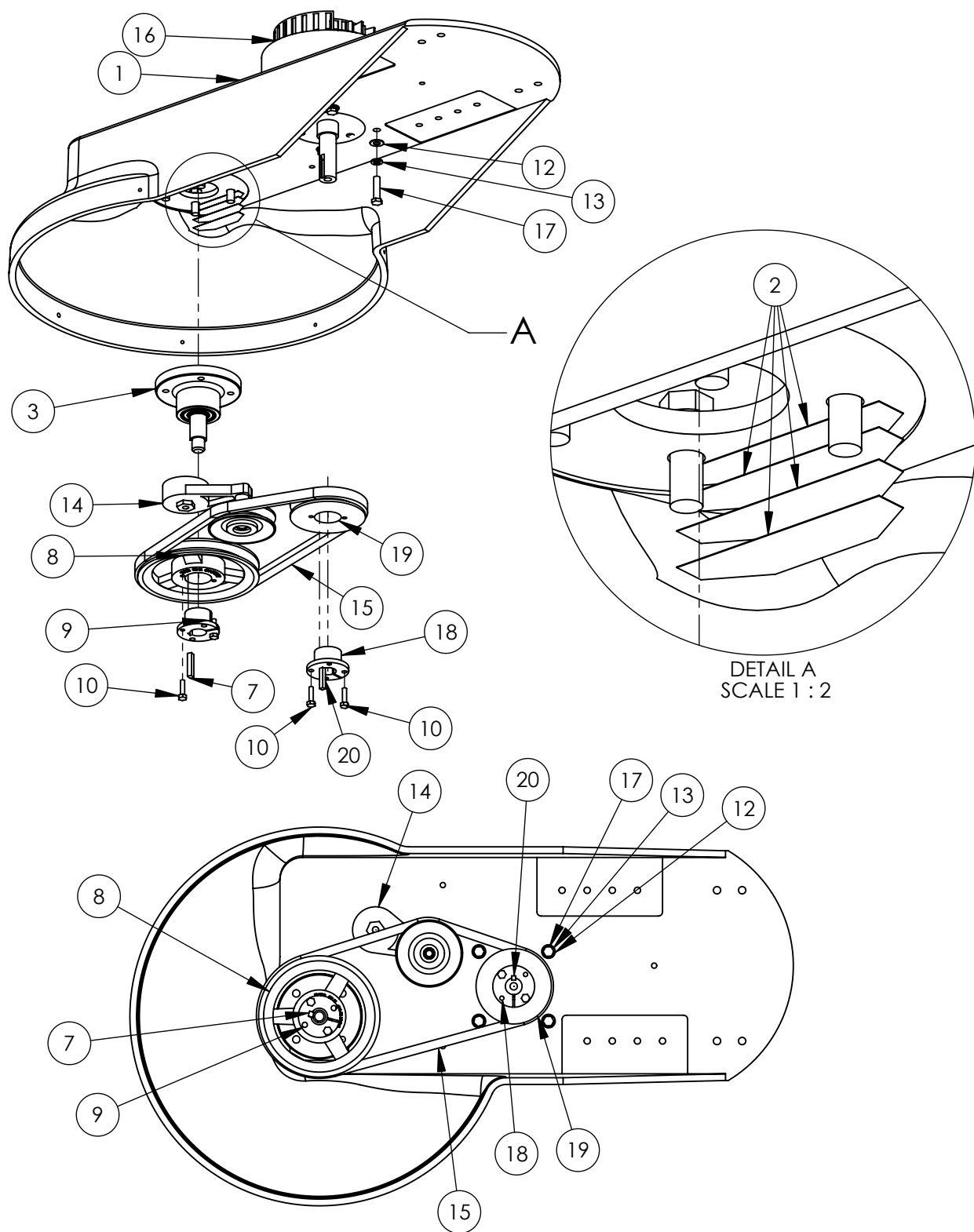


XT3-21 DECK, FRAME, AND WHEELS

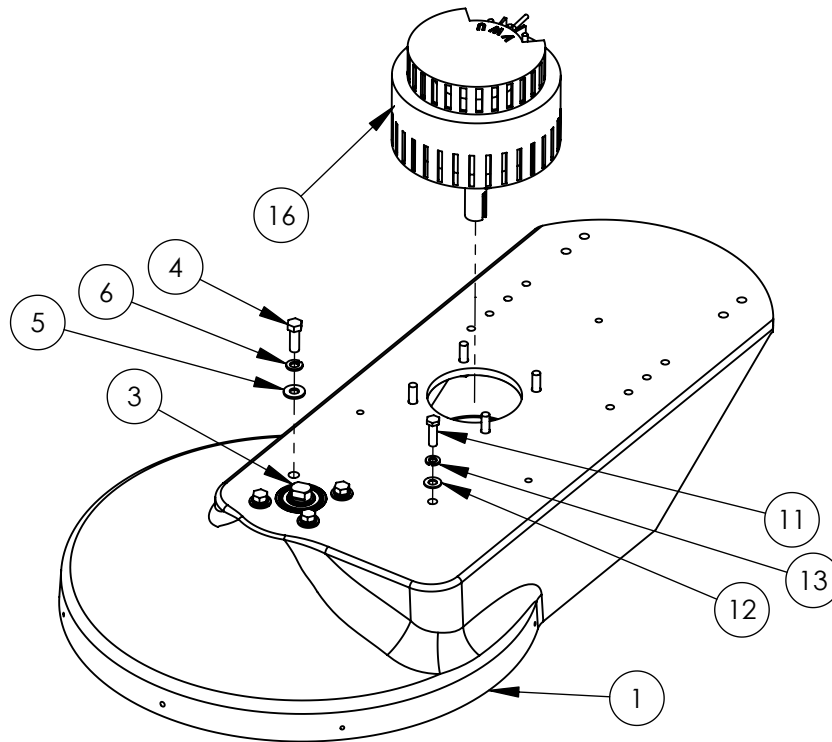


ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	E010705	1	BUMPER GUARD, RED
2	E011531	5	RIVET, T-RIVET, BSP T63
3	E012653	1	21" DURACOAT MILLED DECK
4	E012634	1	FULL MOUNT FOR XT21
5	E012643	1	CHARGER CORD WRAP
6	E011833	2	SCREW, 1/4-20 x .75, PHMS, BLACK
7	E012204	2	TRIM, EDGE, SOLD BY THE FOOT
8	E012248	11	BOLT, HEX, 1/4-20 x 1
9	E011133	12	WASHER, FLAT, 1/4
10	E012242	10	NUT, FLANGED, 1/4-20
11	E011424	8	BOLT, HH, 3/8-16 x 1.5
12	E011432	8	NUT, FLANGE, 3/8-16
13	E011136	8	WASHER, FLAT, 3/8 SAE
14	E012635	2	HANDLE TO BASE MOUNT FOR XT21
15	E012672	4	BEARING, SEALED BALL BEARING FOR WHEEL
16	*	2	BUSHING, WHEEL, 1.5 x .5 OD x .312 ID
17	E012675	2	BOLT, HH, 5/16 - 18 x 2.75
18	E011176	2	NUT, NYLOC, 5/16-18
19	E012644	2	ADJUSTABLE WHEEL BRACKET 4.062 AXLE
20	E012285	2	WHEEL, 6" x 1.5" WITH BUSHING
21	E012237	2	CASTER, 3" WITH GREY WHEEL
22	E012656	1	CHAIN, STAINLESS, STATIC, SOLD BY THE FOOT
23	E012242	1	NUT, NYLOCK, 1/4-20
24	E012584	1	RIVET, 3/8" HAMMER RIVET

XT3-21 MOTOR, PULLEYS, AND BELT

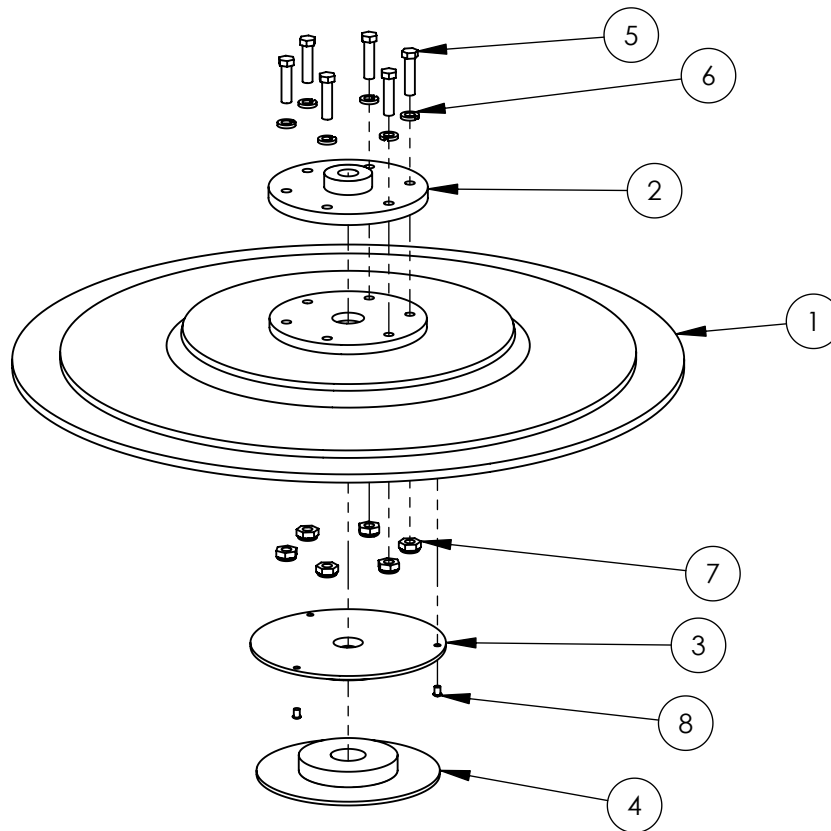


XT3-21 MOTOR, PULLEYS, AND BELT



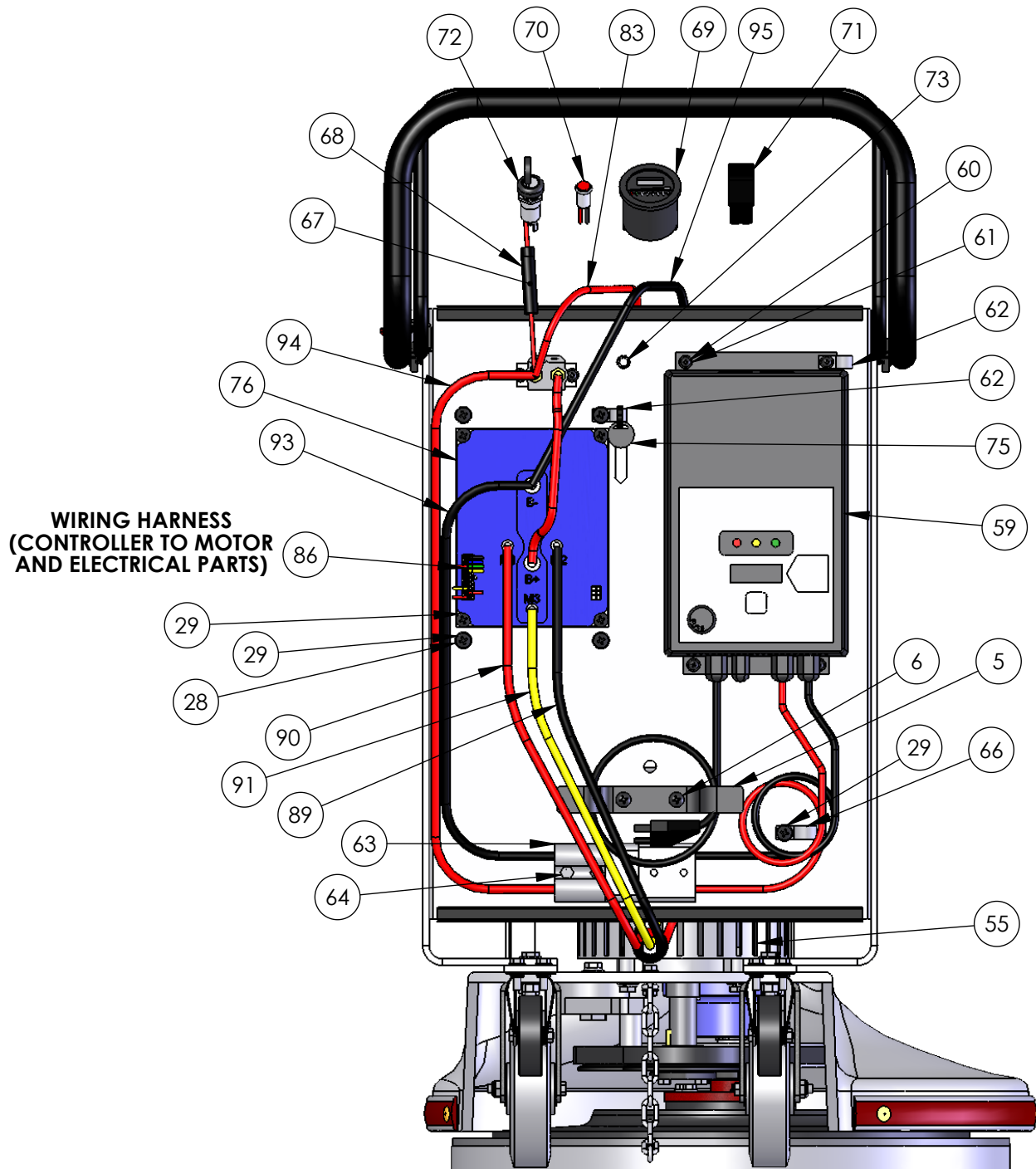
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	E012653	1	21" DURACOAT MILLED DECK
2	*	4	SHIM FOR FRONT END BEARING HOUSING
3	E012284	1	BEARING AND SHAFT ASSEMBLY
4	E010116	4	BOLT, 7/16-14 x 1.25
5	E012218	4	WASHER, FLAT, 7/16 SAE
6	E012217	4	WASHER, LOCK, 7/16
7	E012459	1	KEYSTOCK, 7mm x 8mm x 30mm
8	E012401	1	PULLEY, 7.5 OD, QT STYLE
9	E012400	1	PULLEY BUSHING, 25MM SHAFT, QT STYLE
10	E012248	4	BOLT, HEX, 1/4-20 x 1
11	E011051	1	BOLT, HEX, 1/4-20 x 1.25
12	E011136	5	WASHER, FLAT, 3/8 SAE
13	E011504	5	WASHER, LOCK, 3/8
14	E010459	1	BELT TENSIONER, SMALL FOR XT
15	E010107	1	BELT, BX40
16	E012197	1	MOTOR, 36 VDC, BRUSHLESS
17	E011424	4	BOLT, HH, 3/8-16 x 1.5
18	E012663	1	PULLEY BUSHING, 1" SHAFT, QT STYLE
19	E012662	1	PULLEY, BK45QT
20	E011723	1	KEYSTOCK, 1/4 x 1/4

XT3-21 FLEX-LOC PAD DRIVER ASSEMBLY (COMPLETE ASSEMBLY - PE50028)



ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	E010250	1	FLEX-LOC 21
2	E010586	1	SHAFT TO PAD DRIVER COUPLING
3	E012517	1	CENTER-LOC 2 (COMES AS A SET 1 OF 2)
4	E012517	1	CENTER-LOC 2 (COMES AS A SET 2 OF 2)
5	E012247	6	BOLT, HEX, 5/16-18 x 1.25
6	E011505	6	WASHER, LOCK, 5/16
7	E011176	6	NUT, NYLOC, 5/16-18
8	E010118	3	RIVET, AAP64

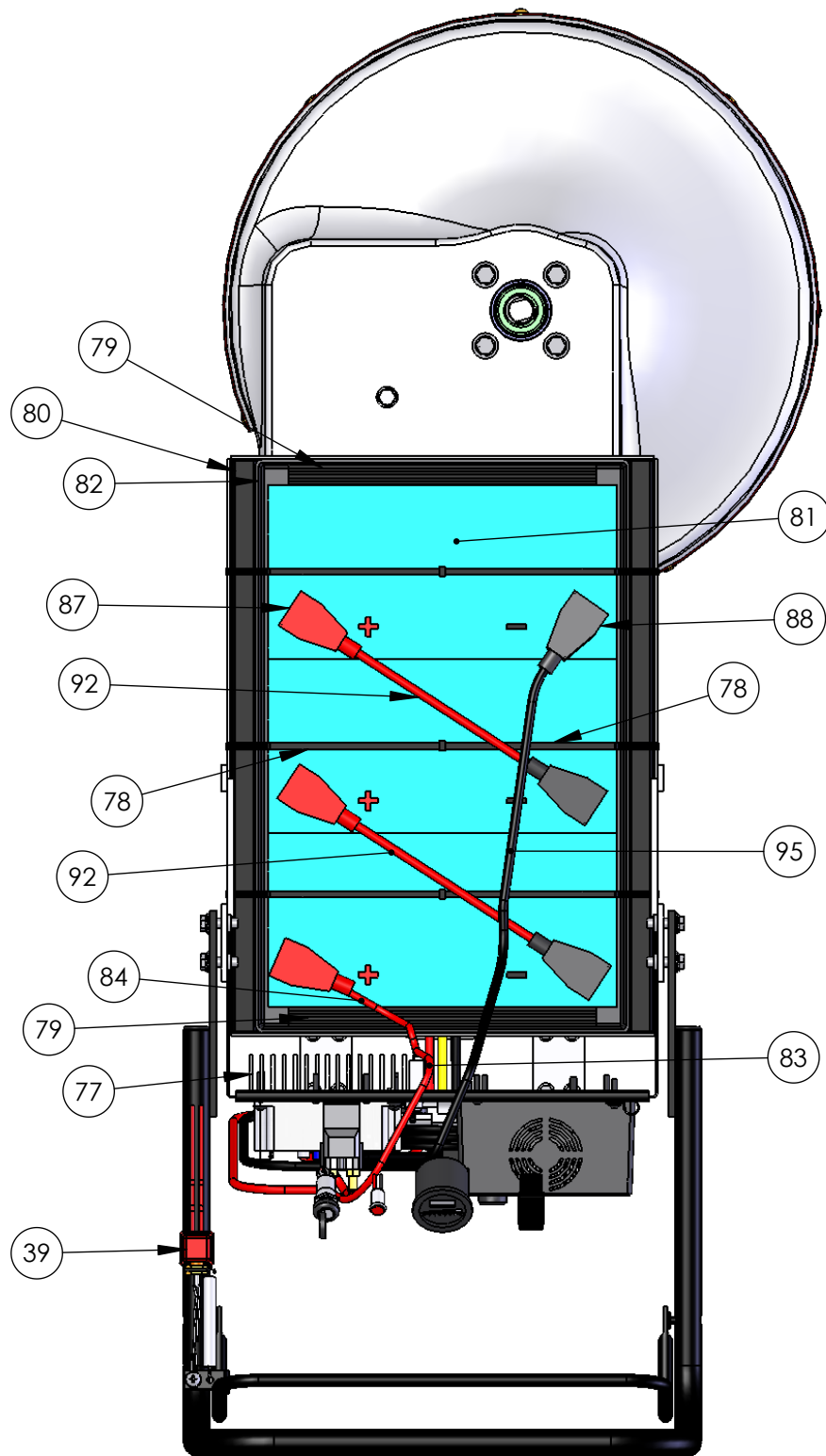
XT3-21 ELECTRICAL AND BATTERY VIEW



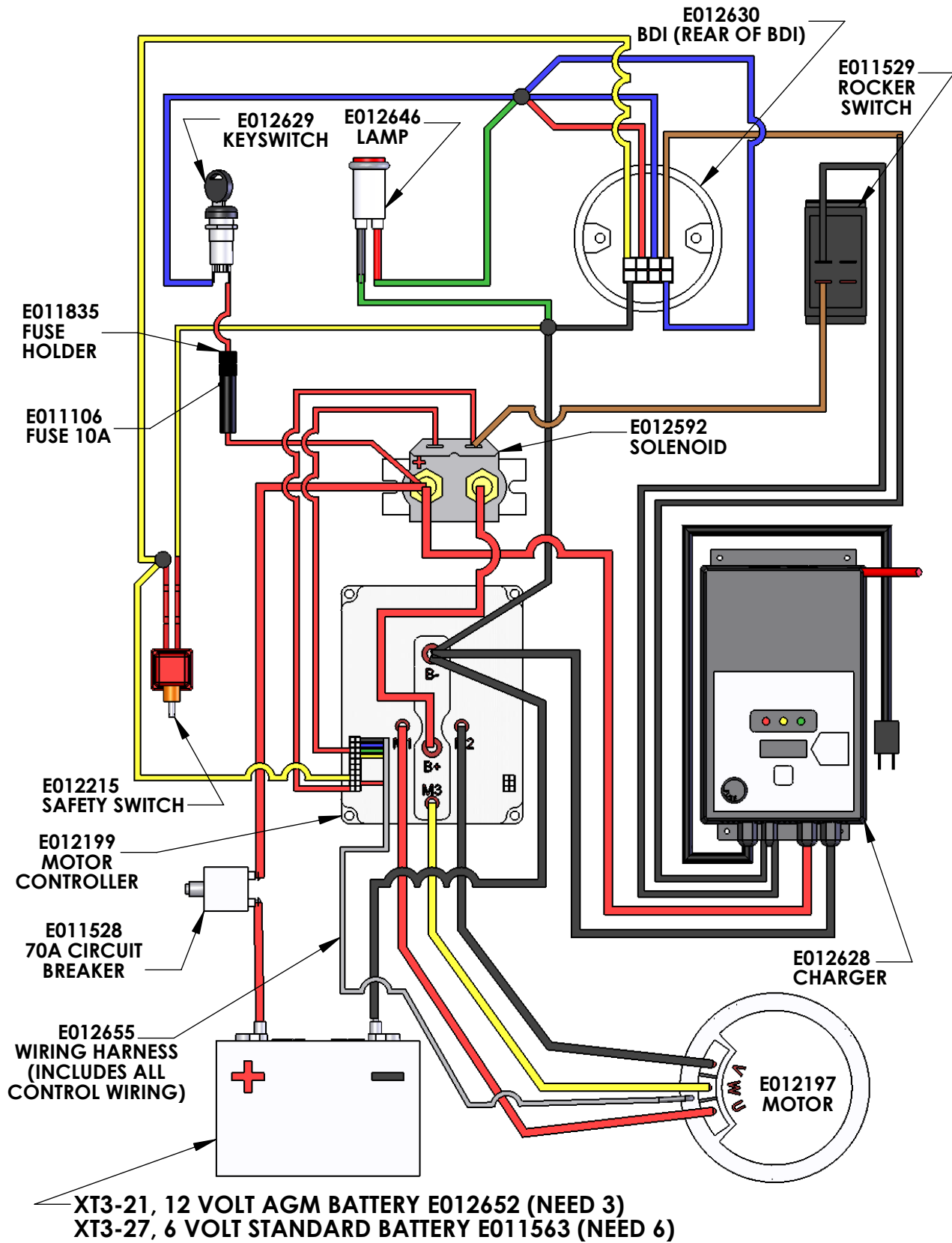
XT3-21 ELECTRICAL AND BATTERY VIEW

ITEM NO.	PART NO.	QTY.	DESCRIPTION
5	E012643	1	CHARGER CORD WRAP
6	E011833	2	SCREW, 1/4-20 x .75, PHMS, BLACK
28	E011834	16	WASHER, FLAT, 1/4
29	E012219	17	SCREW, 1/4-20 x 1, PHMS, BLACK
55	E012197	1	MOTOR, 36 VDC, BRUSHLESS
59	E012628	1	CHARGER, ON-BOARD, SPE WITH CORDS
60	E012219	6	SCREW, 10-24 x 1, PHMS, BLACK
61	E011834	6	WASHER, #10, SAE, BLACK
62	E010137	2	TUBE CLIP, .5, COV-0909
63	E010878	1	ELECTRICAL PLUG, SB-175, GREY, 36 VOLT
64	E011623	2	BOLT, HH, 1/4-20 x 1.25
65	E012592	1	SOLENOID, 36V, CURTIS-ALRIGHT
66	E011353	1	TUBE CLIP, .75 COV-1309
67	E011106	1	FUSE, 10 AMP, AGC, 1.25" LONG
68	E011835	1	FUSE HOLDER, FOR 1.25" AGC FUSE
69	E012630	1	BDI (BATTERY DISCHARGE INDICATOR AND HOUR METER)
70	E012646	1	LAMP, LED, 36V
71	E011529	1	SWITCH, ROCKER, DPST
72	E012629	1	KEYSWITCH, HEAVY DUTY WITH 2 KEYS
73	E011528	1	CIRCUIT BREAKER, 70 AMP
74	E010708	1	CABLE TIE, BLACK, 7.5"
75	*	1	SPARE KEY
76	E012199	1	MOTOR CONTROLLER
77	E012631	1	HEAT SINK
78	E012561	6	CABLE TIE, BLACK, AF529
79	E012660	14	SHIM, PLASTIC, 12 x 1.5 x .125
80	E012642	1	BATTERY TRAY STEEL
81	E012652	3	BATTERY, AGM, MAINTENANCE FREE
82	E012624	1	BATTERY TRAY, PLASTIC, 3 BATTERIES
83	E010133	1	WIRE, BATTERY CABLE, RED, 4 GA x 11"
84	E012568	1	WIRE, BATTERY CABLE, 4GA x 7.75"
85	E012673	1	LOOM, 1" DIA
86	E012655	1	WIRING HARNESS FOR XT3
87	E012543	3	TERMINAL PROTECTOR, STRAIGHT, RED
88	E012542	3	TERMINAL PROTECTOR, STRAIGHT, BLACK
89	E012562	1	WIRE, BATTERY CABLE, 4 GA, BLACK, 36"
90	E012563	1	WIRE, BATTERY CABLE, 4 GA, RED, 36"
91	E012669	1	WIRE, BATTERY CABLE, 4 GA, RED WITH YELLOW ENDS, 33"
92	E011139	2	WIRE, BATTERY CABLE, 4 GA, BLACK OR RED, 16"
93	E012565	1	WIRE, BATTERY CABLE, 4 GA, BLACK, CHARGING, 24"
94	E012564	1	WIRE, BATTERY CABLE, 4 GA, RED, CHARGING, 28"
95	E012562	1	WIRE, BATTERY CABLE, 4GA, BLACK, 36"
96	E011837	1	WIRE, BATTERY CABLE, 4 GA, RED, 7"

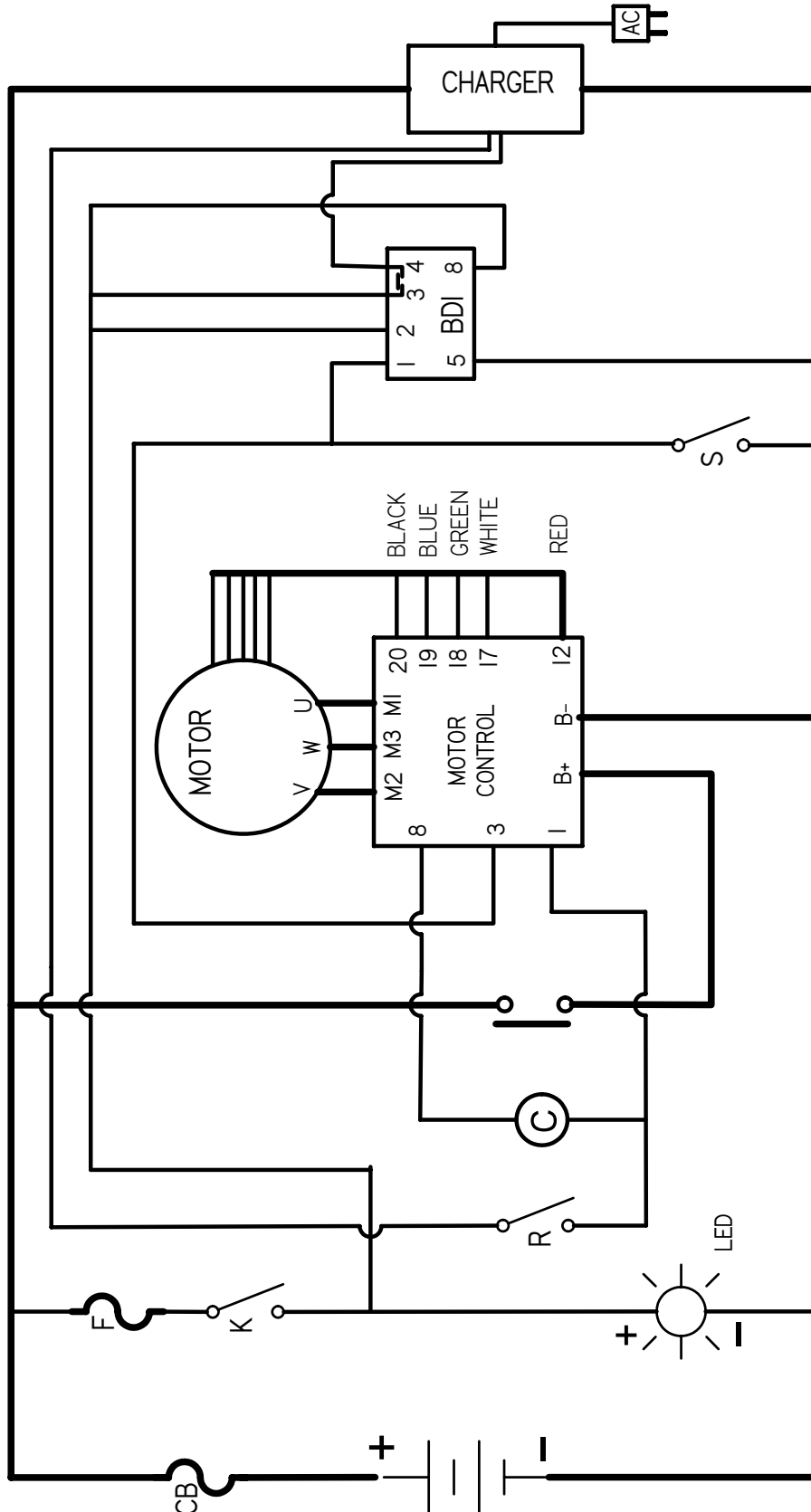
XT3-21 ELECTRICAL AND BATTERY VIEW



ELECTRICAL LAYOUT



WIRING LADDER DIAGRAM



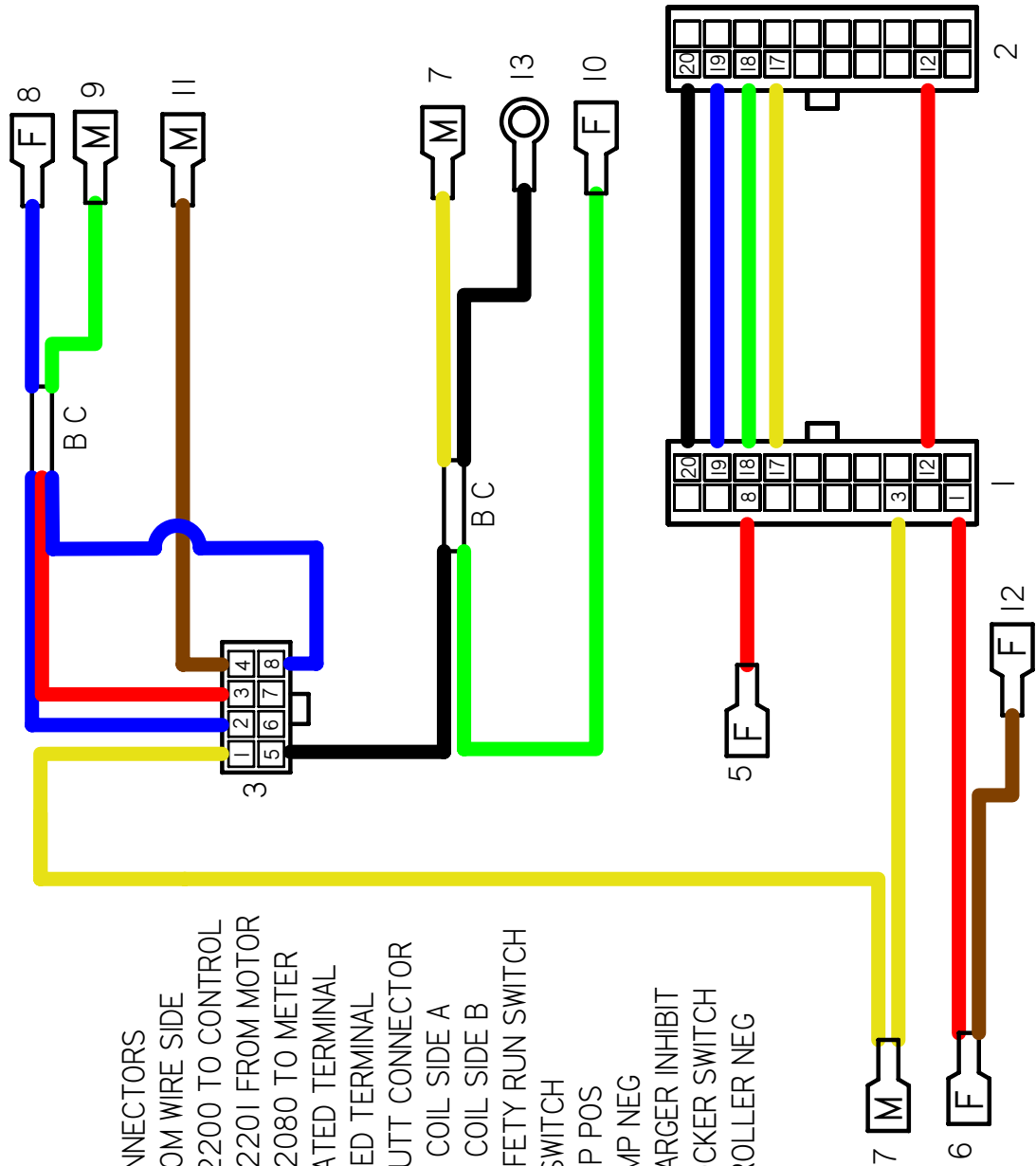
KEY

- K - KEY SWITCH
- R - ROCKER SWITCH
- S - SAFETY RUN SWITCH
- CB - CIRCUIT BREAKER
- F - FUSE

ALSO SEE OTHER PAGES FOR:

- ELECTRICAL AND BATTERY VIEW
- ELECTRICAL LAYOUT
- WIRING HARNESS
- BATTERY DISCHARGE AND HOUR METER INFORMATION

WIRING HARNESS



NOTE - MOLEX CONNECTORS
VIEWED FROM WIRE SIDE

1 - MOLEX 39-01-2200 TO CONTROL
2 - MOLEX 39-01-2201 FROM MOTOR
3 - MOLEX 39-01-2080 TO METER
F - FEMALE INSULATED TERMINAL
M - MALE INSULATED TERMINAL
BC - INSULATED BUTT CONNECTOR
RED 5 - SOLENOID COIL SIDE A
RED 6 - SOLENOID COIL SIDE B
YELLOW 7 - TO SAFETY RUN SWITCH
BLUE 8 - TO KEY SWITCH
GREEN 9 - TO LAMP POS
GREEN 10 - TO LAMP NEG
BROWN 11 - TO CHARGER INHIBIT
BROWN 12 - TO ROCKER SWITCH
BLACK 13 - CONTROLLER NEG

TROUBLE-SHOOTING

PROBLEM	CAUSE	POSSIBLE SOLUTION
No sign of power. No on lamp, no BDI readout.	(a) Bad connection (b) Bad connection to BDI (c) On-board charger is plugged in (d) Batteries dead (e) Charger plugged into outlet	(a) Check all connections. (b) Make sure connector is fully pushed into BDI. (c) Disconnect charger from wall outlet. (d) Recharge or replace batteries as needed. (e) Unplug charger from 110v outlet. Charger has an "inhibit" circuit that prevents machine from running if charger is plugged in.
Powers on with key switch, but solenoid does not "click" with rocker switch.	Bad connection	Check all connections.
Powers on, solenoid "clicks", but does not run	(a) Safety run switch problem. Not pulling plunger enough to activate. (b) Safety run switch wire connectors may be loose	(a) Cable may have slipped and sleeve needs to be re-crimped or replaced. (b) Push in connectors
Pad "bogs down"	Too much pad pressure	Decrease pressure using directions on "Balancing Instructions" page
Machine will not set upright with cover on	Too little pad pressure	Increase pad pressure using directions on "Balancing Instructions" page
Low runtime	(a) Improper charge (b) Old batteries or defective cell in battery (c) Too much pad pressure. (d) BDI set to too high a voltage	(a) Make sure that batteries get a full charge after each use. (b) Replace batteries. Best to replace as a set. (c) Balance machine. See "Balancing Instructions" page. (d) See BDI instruction page on how to set to a value of 4 for optimal run time and battery life
Machine vibrates	(a) Pad not centered (b) Pad is torn or worn excessively	(a) Remove pad and re-center the pad (b) Replace pad
Noise coming from underside of deck	Belt is loose and causing belt tensioner to "chatter".	Tighten belt. See page with "Belt tightening instructions".
Machine hard to push	(a) Worn pad (b) Worn wheel bearings (c) Pad out of alignment	(a) Replace pad. (b) Replace bearings or replace wheels. (c) See solution to next problem "Machine pulls left".
Machine pulls left	(a) Worn pad (b) Wrong pad (c) Right side of pad needs a little more contact than the left so "pad assist" can help pull machine forward .	(a) Replace pad (b) Replace pad with pad approved use with XT burnisher. (c) Add a small shim (.010 thick) between bearing housing and deck on the right side. This will "push" right side down toward floor. (If there are too many shims, then left side of pad will not contact properly).
Uneven floor buffing (right side of pad polishes and left side does not)	Right side of pad contacting too much, therefore left side is not contacting enough.	The reverse of the previous procedure. Remove one of the small shims (.010 thick) between bearing housing and deck on the right side



Betco Warranty Express Program™

Revised November 1, 2006

10 Year Coverage

Subject to the conditions stated below, Betco Corporation warrants parts and labor on rotationally molded polyethylene tanks/housings and injection molded vacuum head assemblies to be free from defects in materials and workmanship for a period of ten years to the original purchaser.

3 Year Coverage

Subject to the conditions stated below, Betco Corporation warrants parts and labor on all other Betco components to be free from defects in materials and workmanship for a period of three years to the original purchaser.

1 Year Coverage

Subject to the conditions stated below, Betco Corporation offers a limited warranty on parts and labor on the following equipment, parts and accessories to be free from defects in material and workmanship for a period of one year to the original purchaser.

- DM Series Vacuums:
#85506-00, #85507-00
- Bac Pac Lite Vacuum:
#85903-00
- FiberPRO® Floor Dryer:
#85507-00
- WORKMAN™ Series Vacuums:
#85024-00, #85025-00,
#85026-00, #85027-00
- CV100T Vacuum:
#85023-00
- All Tools and Accessories
- All Battery Chargers
- All Batteries are pro-rated for 1 year.

Allowable Travel Time Warranty Reimbursement:

Eligible equipment: All battery and propane powered equipment products.

Warranty period: 90 days from date of sale to the original purchaser. A maximum 60 mile round trip at 44 cents per mile will be allowed for warranty consideration.

Propane Machine Warranty:

Honda engines are warranted by Honda for a period of 2 years against manufacturer defect. Kawasaki engines are warranted by Kawasaki for a period of 2 years against manufacturer defect. All other components (except wear items)* are warranted by Betco Corporation for a period of 3 years.

***Wear items exempt from warranty consideration include but may not be limited to: power cords, transport wheels, vacuum bags, belts, squeegee blades, pad drivers, clutch plates, handle grips, filters, screens, throttle cables, brushes and carbon brushes.**

Subject to the conditions and exceptions stated in this warranty, Betco warrants the Betco products to be free from defects in material and workmanship, under normal use and service, for the periods listed under the warranty policy to the original purchaser. At any time during the warranty period, Betco will furnish replacement parts for the Betco products to the original purchaser. Such parts will be furnished and charged including transportation costs, to the original owner through any Betco authorized Service Distributor. If the original part is returned within the warranty policy period from date of delivery for inspection by Betco and is found to be defective, the owner will be credited for the cost of replacement parts plus shipping and handling. Replacement parts that have become defective through wear or abuse are not included in this warranty.

This warranty does not apply to damage or defect caused by accident, misuse, negligence, fire or to any Betco product which has been serviced or repaired by other than an authorized Betco Service Distributor or Betco factory personnel. This warranty is void if products are used for any purpose other than that which was intended. There are no other warranties expressed or implied. In no event shall Betco be liable for incidental or consequential damages or any damage to person or property. (Please note some states do not allow the exclusion or limitations for incidental and consequential damages.)