

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
14	05-88-0780	M3 x 18mm T-10 ST Screw (Gearcase)	(4)
15	14-29-0570	Gearcase Assembly	(1)
15.18	44-10-0710	Speed Selector Lever	(1)
15.19	05-81-0542	M2.3 x 4.5mm ST Screw	(2)
15.25		Motor Mounting Plate	(1)
17	45-24-0325	Speed Selector Button	(1)
21		Motor / Switch / PCBA Assembly	(1)
22	45-30-0270	Rubber Pin	(4)
23	16-07-0400	Service Rotor	(1)
27	40-50-1135	Shuttle Spring	(1)
28	42-42-0610	Forward / Reverse Shuttle	(1)
31	42-70-0058	Housing Connection Clip	(1)
32		Left Housing Halve	(1)
33	42-70-0580	Belt Clip	(1)
34	05-88-1010	M2.5 x 6mm Screw	(1)
35	06-82-1080	M3 x 14mm T-10 ST Scr (Handle Halve	s) (6)
36		Right Housing Halve	(1)
37	12-20-2402	Service Nameplate	(1)
38	31-44-2025	Housing Kit	(1)
* 39	14-20-1135	Housing / Electronics Kit	(1)
40	42-55-2100	Blow Molded Carrying Case	(1)
* 41	42-42-1125	Forward / Reverse Shuttle Kit	(1)
42	10-20-2399	Warning Label (French & Spanish)	(1)
50	23-94-2110	146mm Wire Assembly (See page two)	(1)
		(High Voltage Protection)	

SCREW TORQUE SPECIFICATION CHART					
			SEATING TORQUE		
FIG.	PART NO.	DESCRIPTION	(IN-LBS)		
15.19	05-81-0542	Speed Selector Lever Screw	3.5±1		
14	05-88-0780	Gearcase Assembly Screw	7.0±2.5		
35	06-82-1080	Right Housing Halve Screw	7.0±2.5		





- 1. Remove the six handle screws, the housing connection clip and the four gearcase screws. Remove housing cover (right housing halve). Carefully remove the electronics assembly and gearbox assembly from the housing support (left housing halve).
- 2. With a small side cutter, snip the short production HV wire close to the terminal (see illustration above). Unscrew the ring terminal from the lower right position of the gearcase. Remove and discard the old HV system (short HV wire, the open end connector and longer HV wire).
- 3. Place the wire strand end of the 146mm High Voltage Wire (23-94-2110) across the bottom of the negative (rear left) terminal of the battery connector block and carefully solder in place (Note wire is to be positioned so wire extends to the left of the terminal, routing into the left housing halve). See illustration above.
- 4. As an aid to routing the HV wire, carefully remove the gearcase assembly from the electronics assembly.
- 5. Loosely place the electronics assembly into the left housing halve. Route the HV wire under the switch/battery connector block wires using the same wire trap at the upper left corner of the switch. Route HV wire behind the PCBA and into the small traps in the left housing halve. Lay HV wire across the PCBA facing outward to the right.
- 6. Place the ring terminal of HV wire over the screw opening in the lower right position of the gearcase (with wire to the inside of the tool) and reinstall the screw to ground the system.
- Carefully place the gearcase assembly back onto motor assembly. Secure the gearcase assembly with two of the gearcase screws into the front of the new left housing halve.
- 8. Take time to make sure that all components are back in place. Press all wires firmly into traps. Be sure the LED, PCBA, switch assembly and battery connector block are squarely and firmly in place. Be sure the fwd./rev. shuttle functions properly and that the shuttle spring is in place.
- 9. Gently put the right housing halve back in place and check for any interferences prior to securing with the six handle screws and two remaining gearcase screws. Insert housing clip.