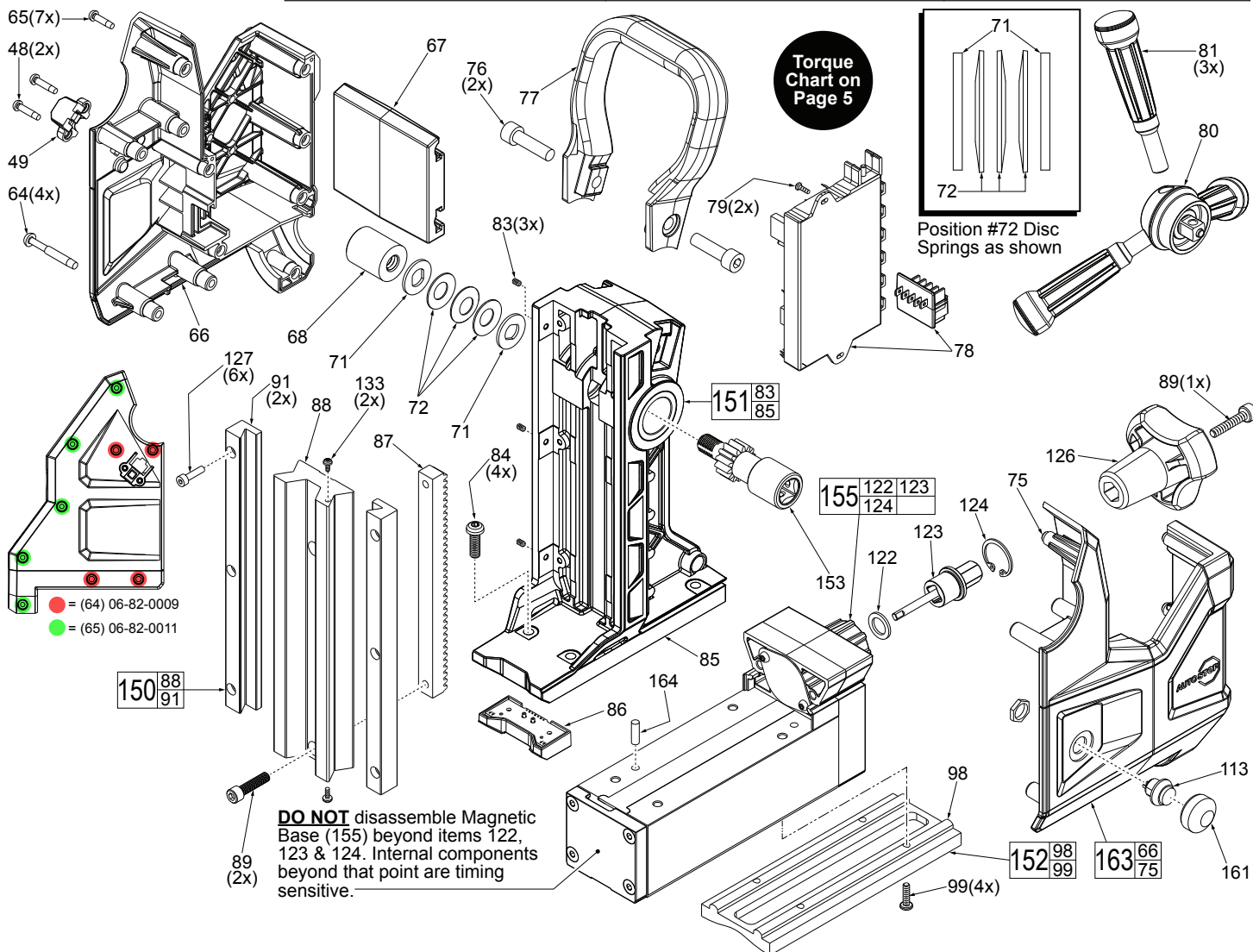




SERVICE PARTS LIST

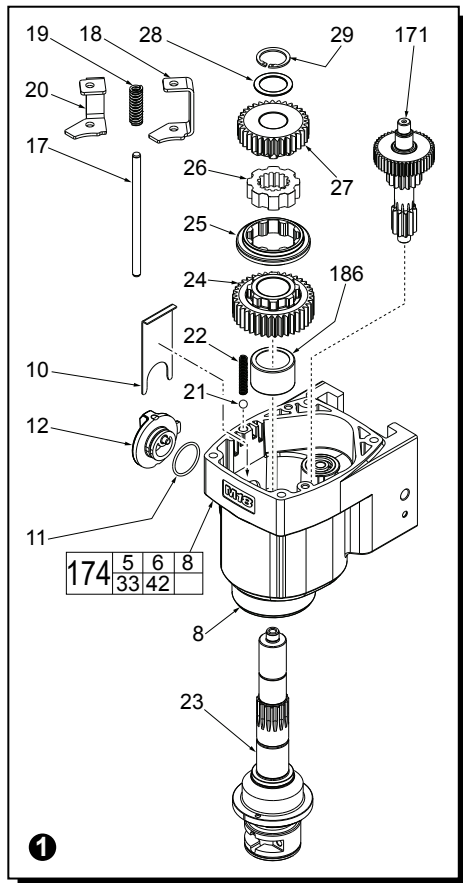
| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS | | REVISED BULLETIN | DATE |
|--|----------------|--|----------|
| M18™ FUEL™ 38mm Magnetic Drill | | | May 2018 |
| MODELNO. M18FMDP-0C | 2787-20 | WIRING INSTRUCTION See pages 4 and 5 | |



LUBRICATION:

Type "Y" Grease, No. 49085270 (6 oz. tube)
Use approximately 85 grams, 3 ounces

LUBRICATION NOTE: When servicing the drill motor, 90-95% of old grease must be removed prior to new grease being added.



1 Install parts shown into/onto Gear Case Assembly (174) prior to applying any lubrication.

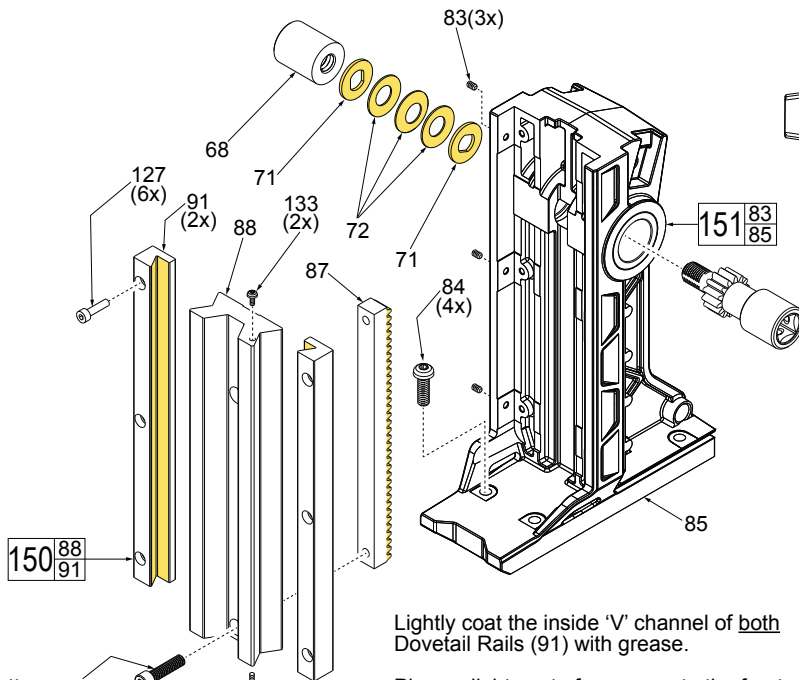
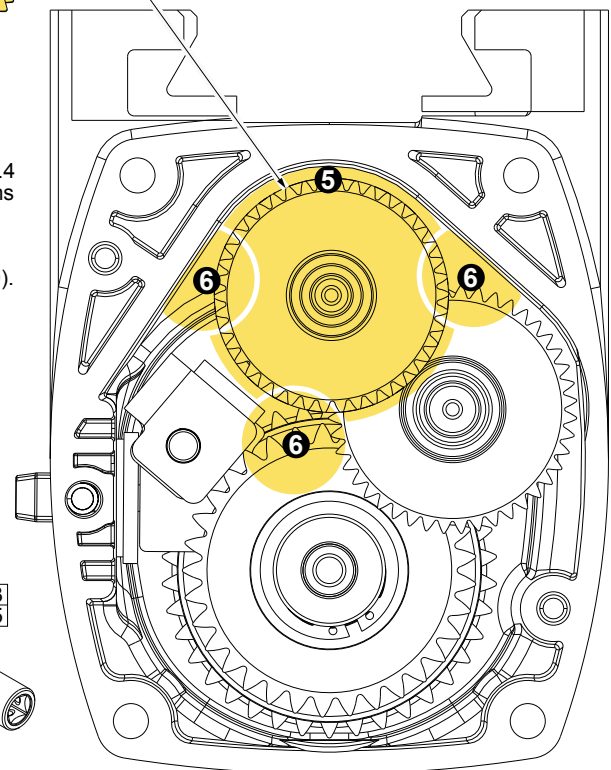
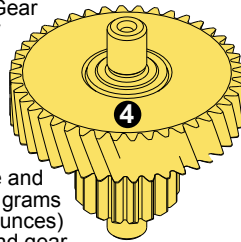
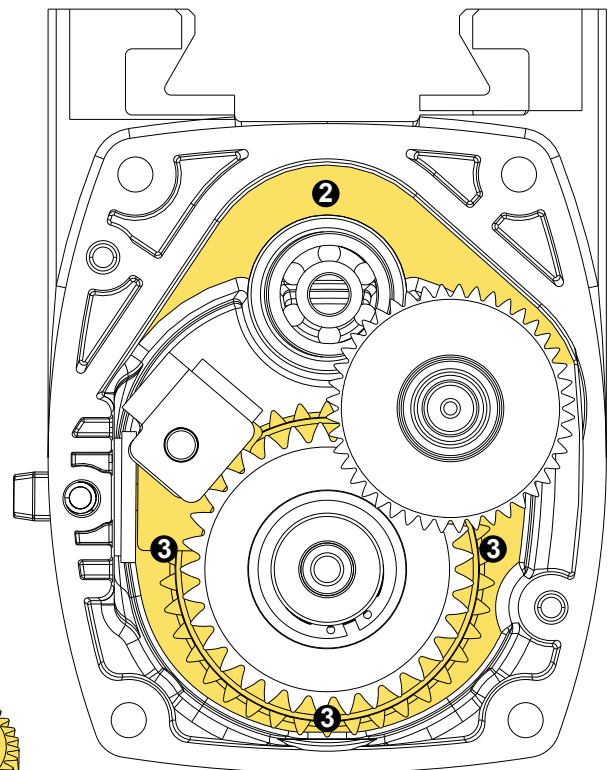
2 Apply 13 grams (approximately .45 ounces) of grease in this area of the gear case prior to installing the Pinion/1st Intermediate Gear Assembly (170).

3 With the aid of a grease gun, place 26 grams (approximately .9 ounces) in and around the gear case cavity for the 3rd Intermediate Gear system (24, 25, 26 and 27).

4 Apply a heavy coating of grease over the entire Pinion/1st Intermediate Gear Assembly (170).

5 Install the assembly (170) into gear case and place 5-8 grams (.17-.28 ounces) fully around gear space.

6 This step will require 39 grams (1.4 ounces) of grease. Place 13 grams (approximately .45 ounces) of grease at each of three positions over and around the Pinion/1st Intermediate Gear Assembly (170).

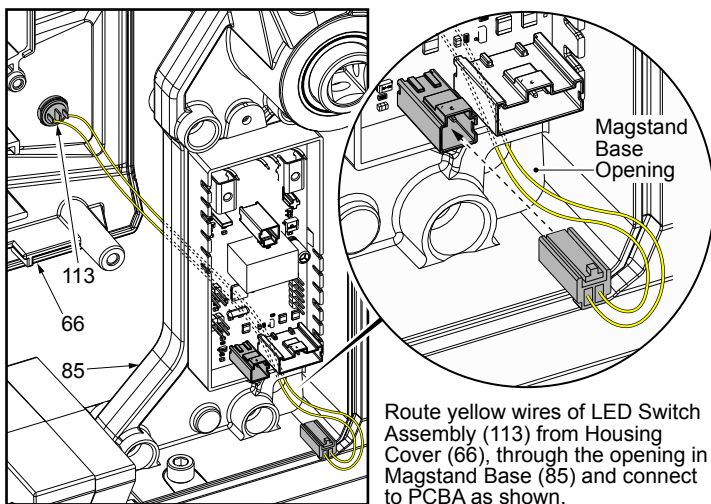


This bottom screw (89) must be loosened 3 to 4 turns in order to remove the Slide (97) and the Rack (96).

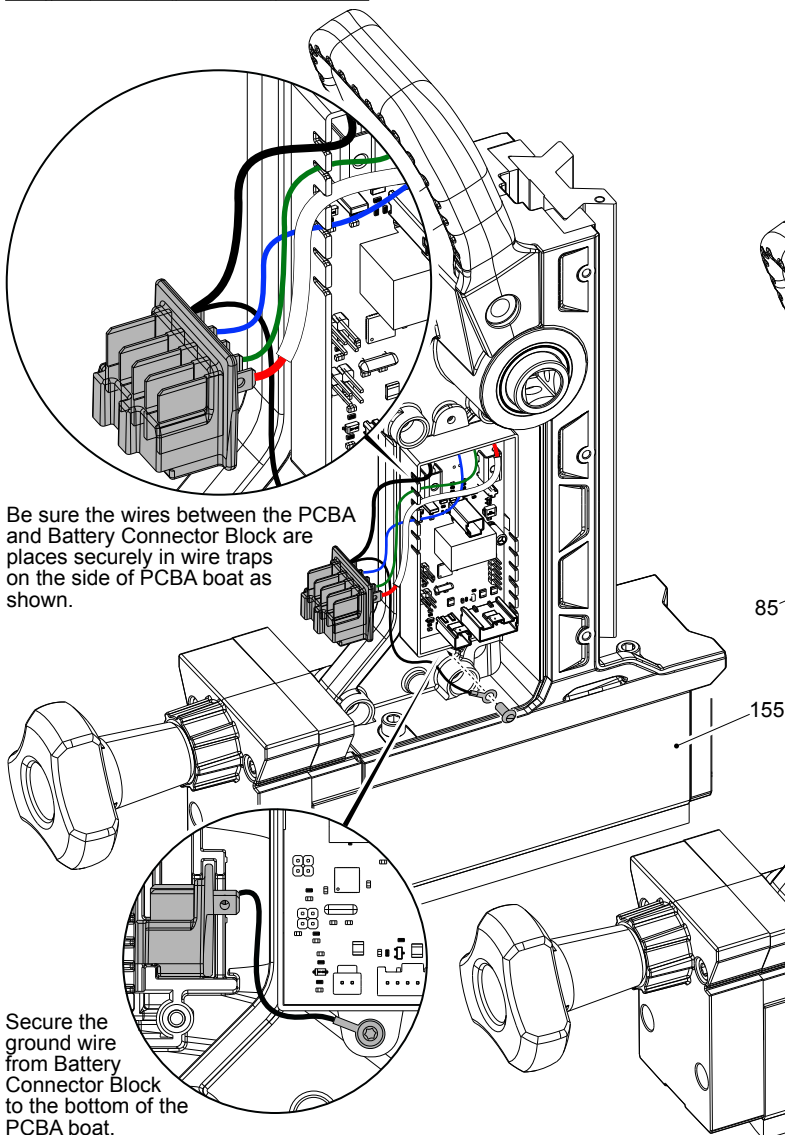
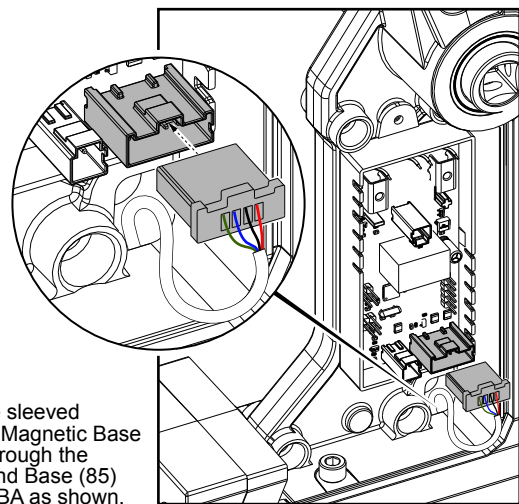
Lightly coat the inside 'V' channel of both Dovetail Rails (91) with grease.

Place a light coat of grease onto the front teeth of the Rack (87).

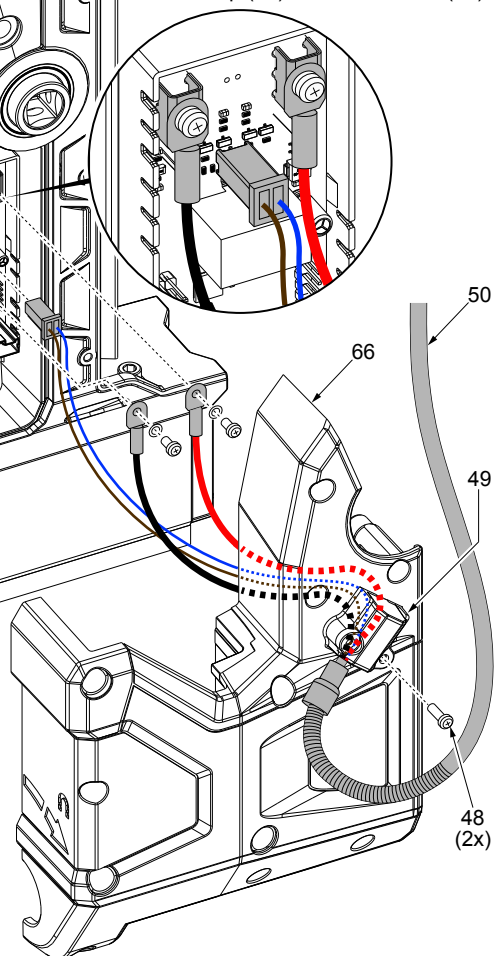
Lightly coat both sides of the two Washers (71) and three Disc Springs (72).

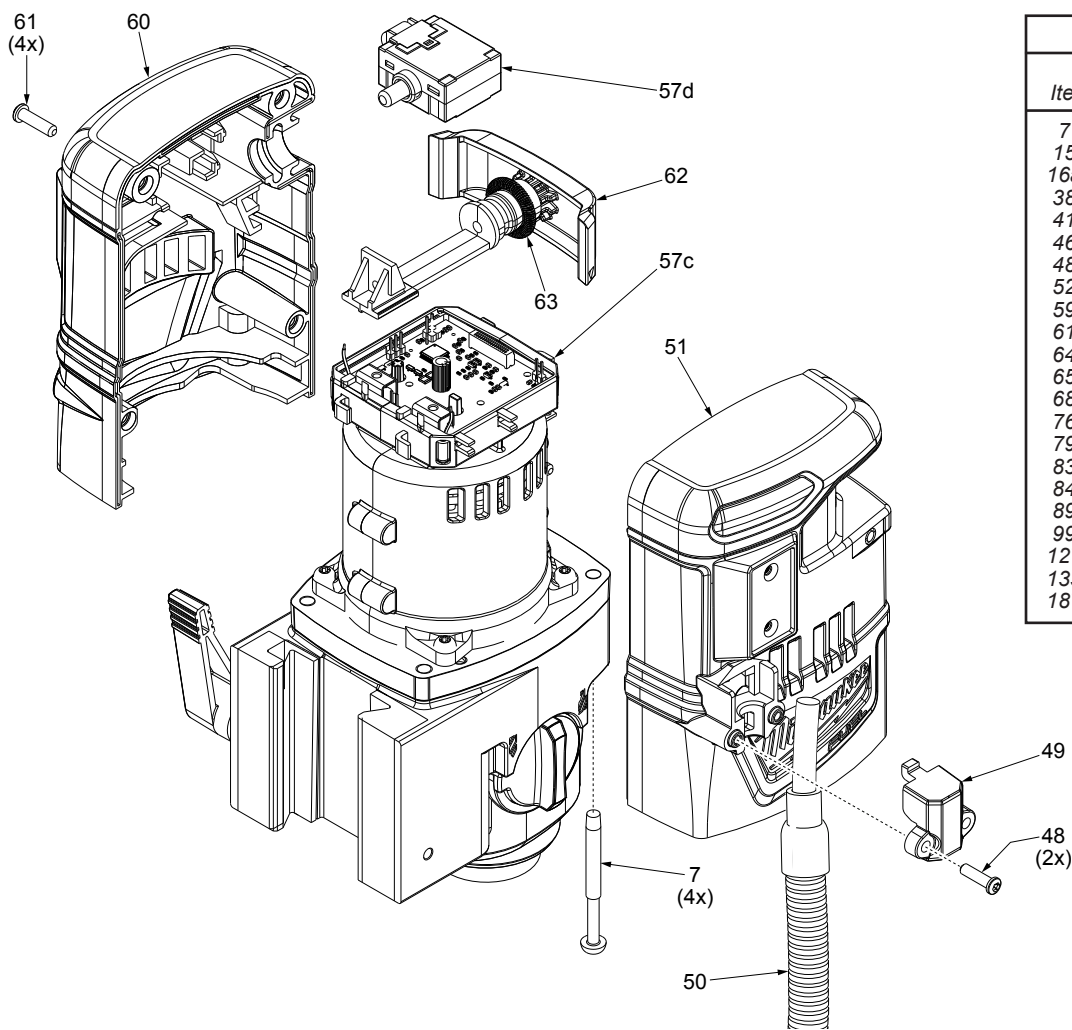


Route the four wire sleeved assembly from the Magnetic Base Assembly (155), through the opening in Magstand Base (85) and connect to PCBA as shown.



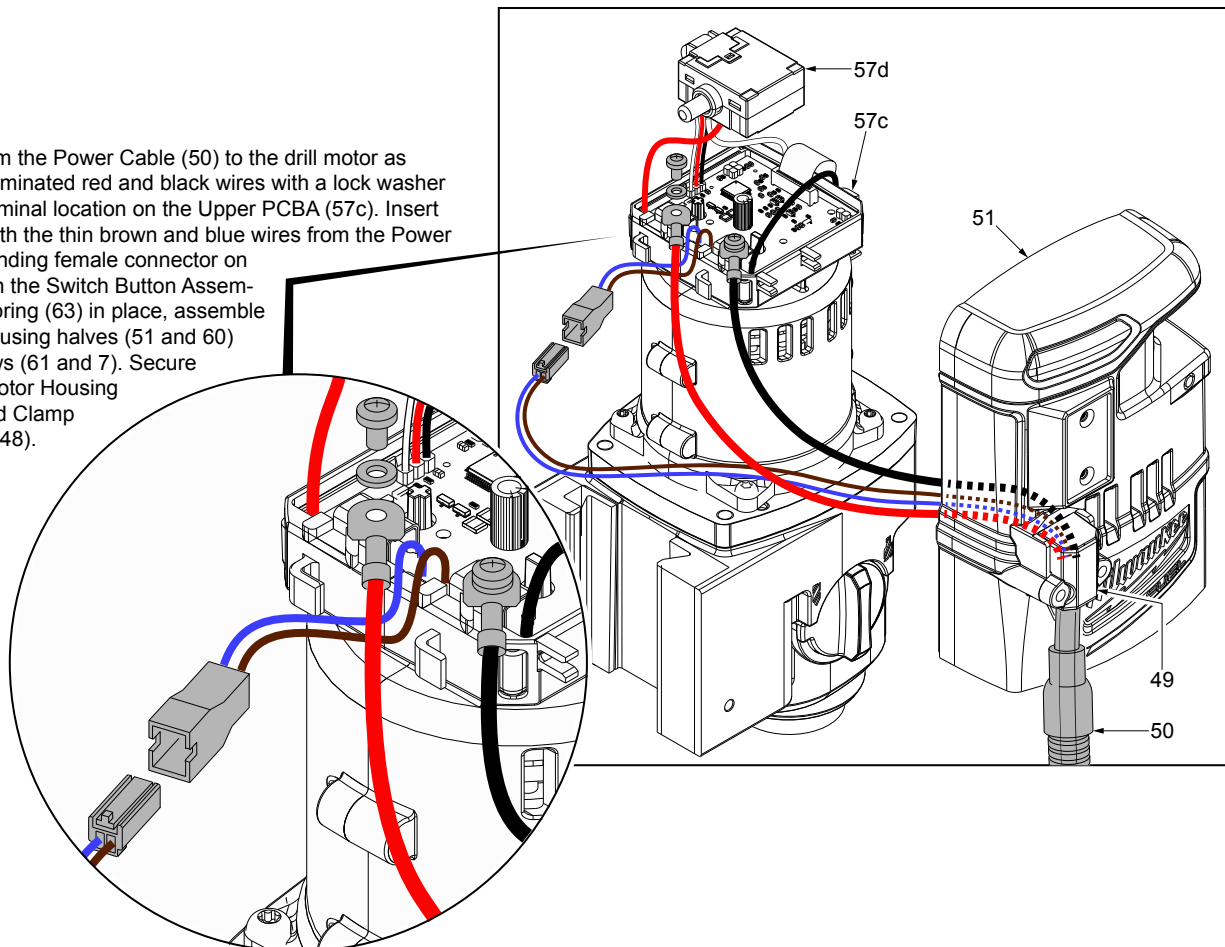
Route the wires from the Power Cable (50) from drill motor through the opening in the Housing Support (75). Secure the black and red wires to PCBA with a lock washer and screw at each terminal. Connect the remaining brown/blue wire assembly as shown. Secure Power Cable to the Housing Cover (66) with Cord Clamp (49) and two Screws (48).

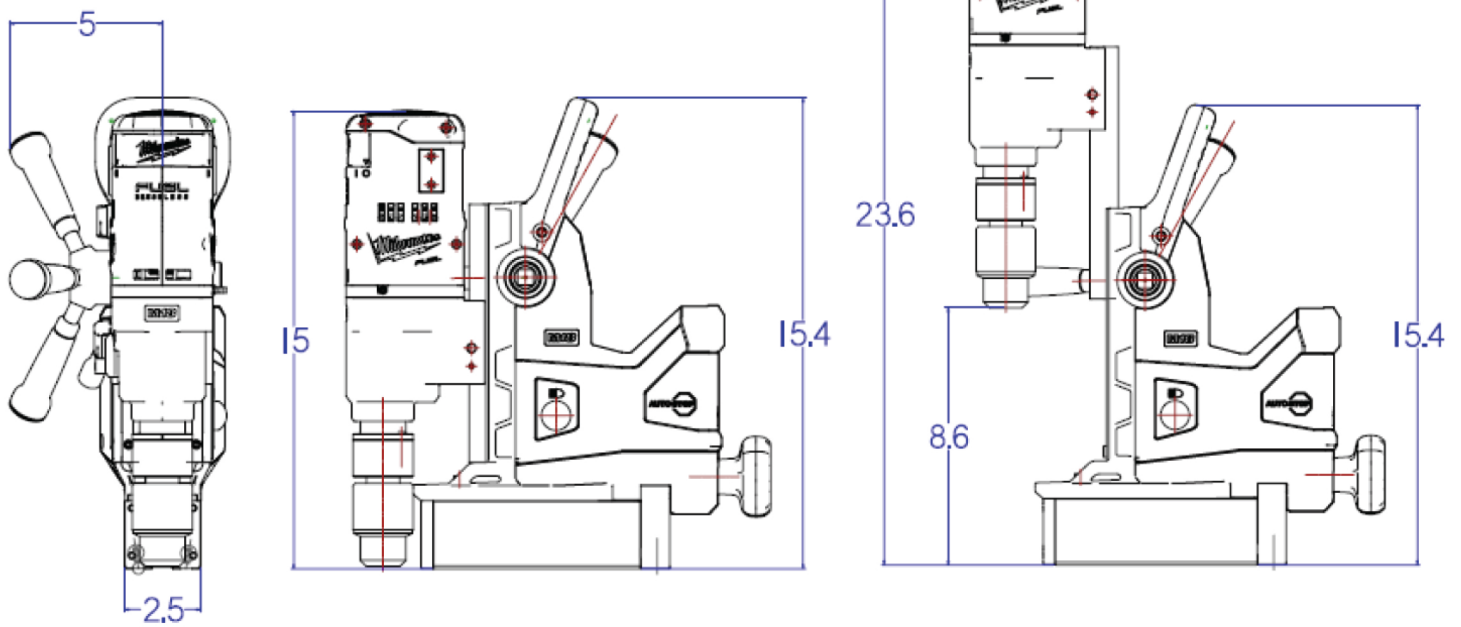




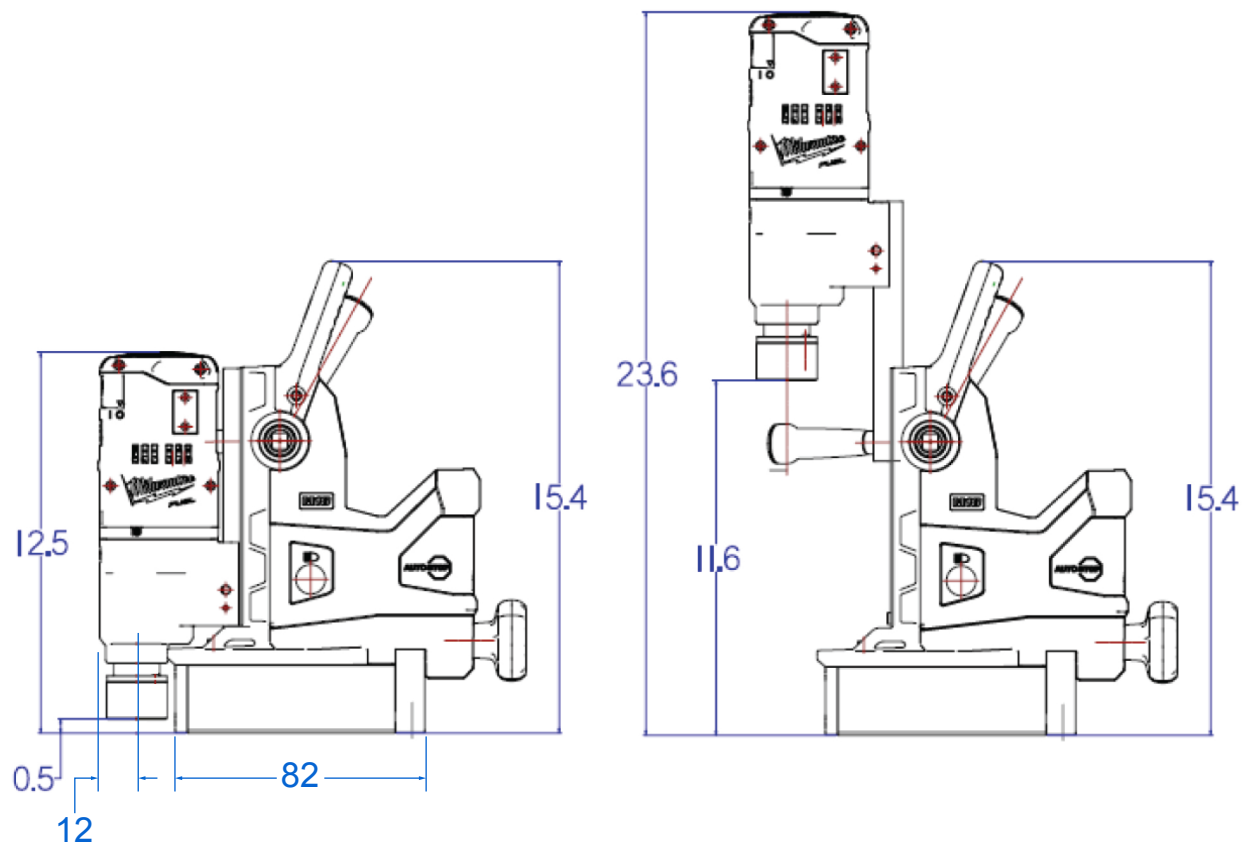
| Item | Seat Torque | |
|------|-------------|------------|
| | (Kg./cm.) | (In./lbs.) |
| 7 | 28-33 | 24-28 |
| 15 | 4-6 | 3-5 |
| 16a | 6-10 | 5-8 |
| 38 | 4-8 | 3-7 |
| 41 | 15-20 | 13-17 |
| 46 | 7-10 | 6-8 |
| 48 | 13-17 | 11-14 |
| 52 | 12-18 | 10-15 |
| 59 | 10-15 | 8-13 |
| 61 | 15-20 | 13-17 |
| 64 | 28-33 | 24-28 |
| 65 | 15-20 | 13-17 |
| 68 | 460 | 399 |
| 76 | 35-40 | 30-34 |
| 79 | 3-7 | 2-6 |
| 83 | 4 | 3 |
| 84 | 28-33 | 24-28 |
| 89 | 28-33 | 24-28 |
| 99 | 20-25 | 17-21 |
| 127 | 25-30 | 21-26 |
| 133 | 10-15 | 8-13 |
| 187 | 50-75 | 43-65 |

Connect the wires from the Power Cable (50) to the drill motor as shown. Secure the terminated red and black wires with a lock washer and screw at each terminal location on the Upper PCBA (57c). Insert the male connector with the thin brown and blue wires from the Power Cable to the corresponding female connector on the Upper PCBA. With the Switch Button Assembly (62) and Garter Spring (63) in place, assemble together two motor housing halves (51 and 60) and secure with screws (61 and 7). Secure Power Cable to the Motor Housing Support (51) with Cord Clamp (49) and two Screws (48).





CHUCK ADAPTER SET-UP



ANNULAR CUTTER SET-UP