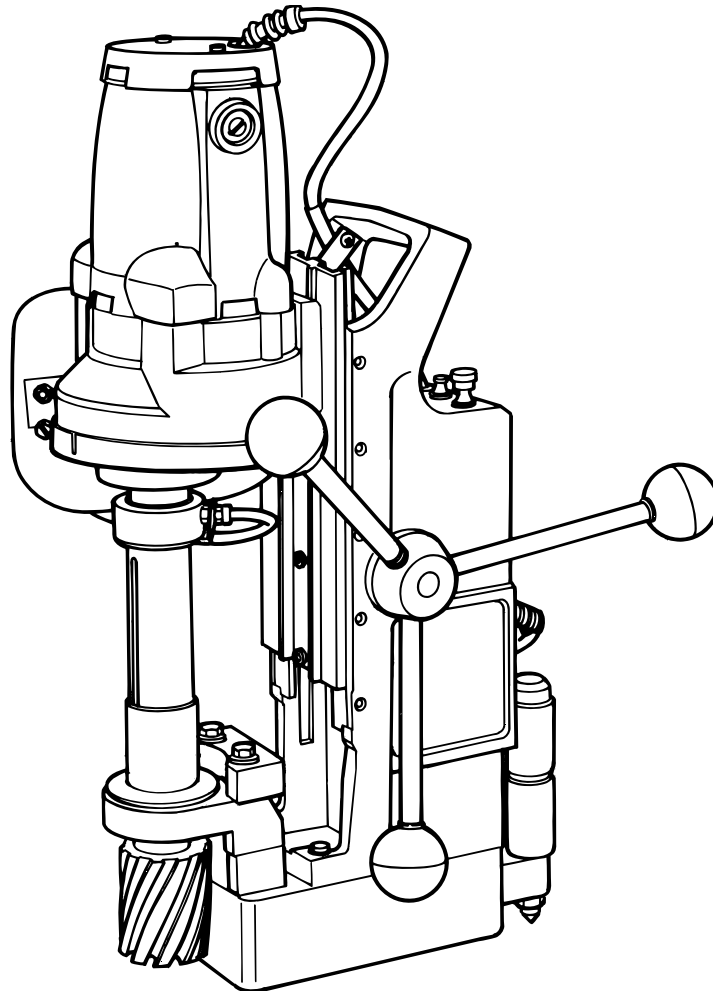




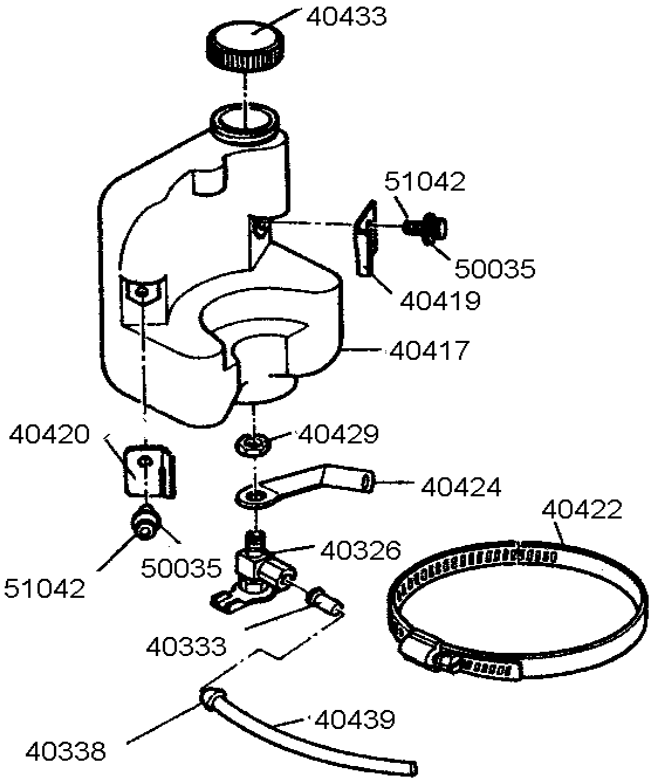
MODELS
10909(S) & 10909(S)AUS
PORTABLE MAGNETIC DRILLS

OPERATOR'S MANUAL

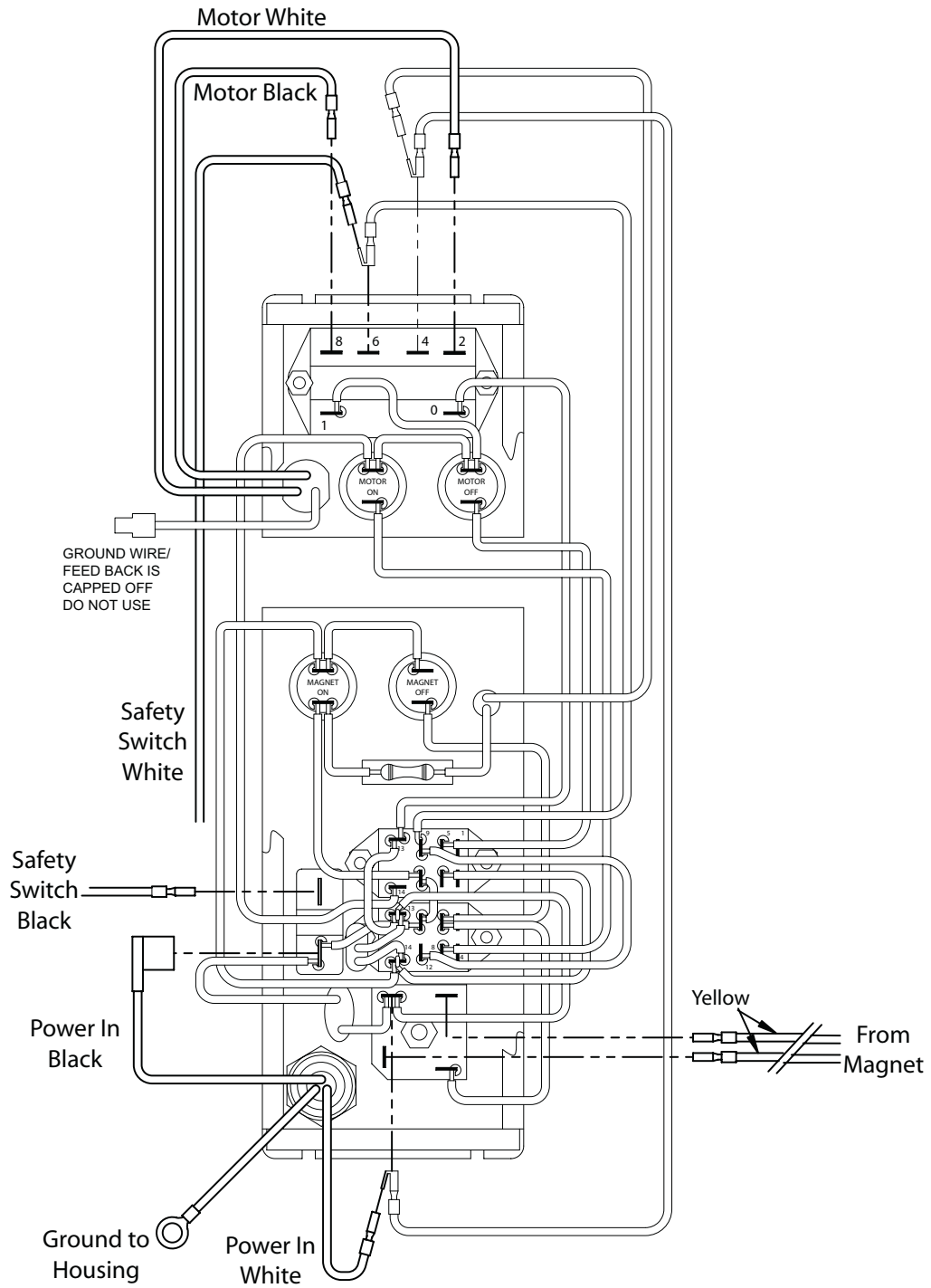


FOR USE WITH "12,000-SERIES" HOUGEN[®] CUTTERS

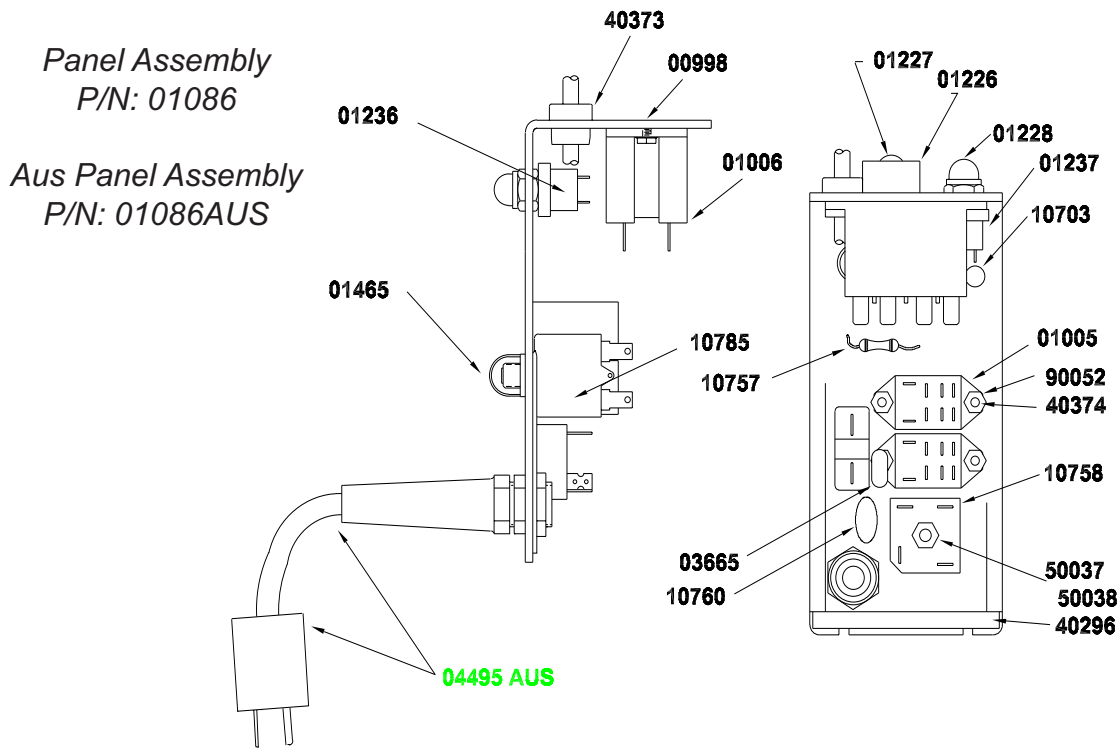
COOLANT BOTTLE ASSEMBLY - P/N: 40442



HOOK UP DIAGRAM



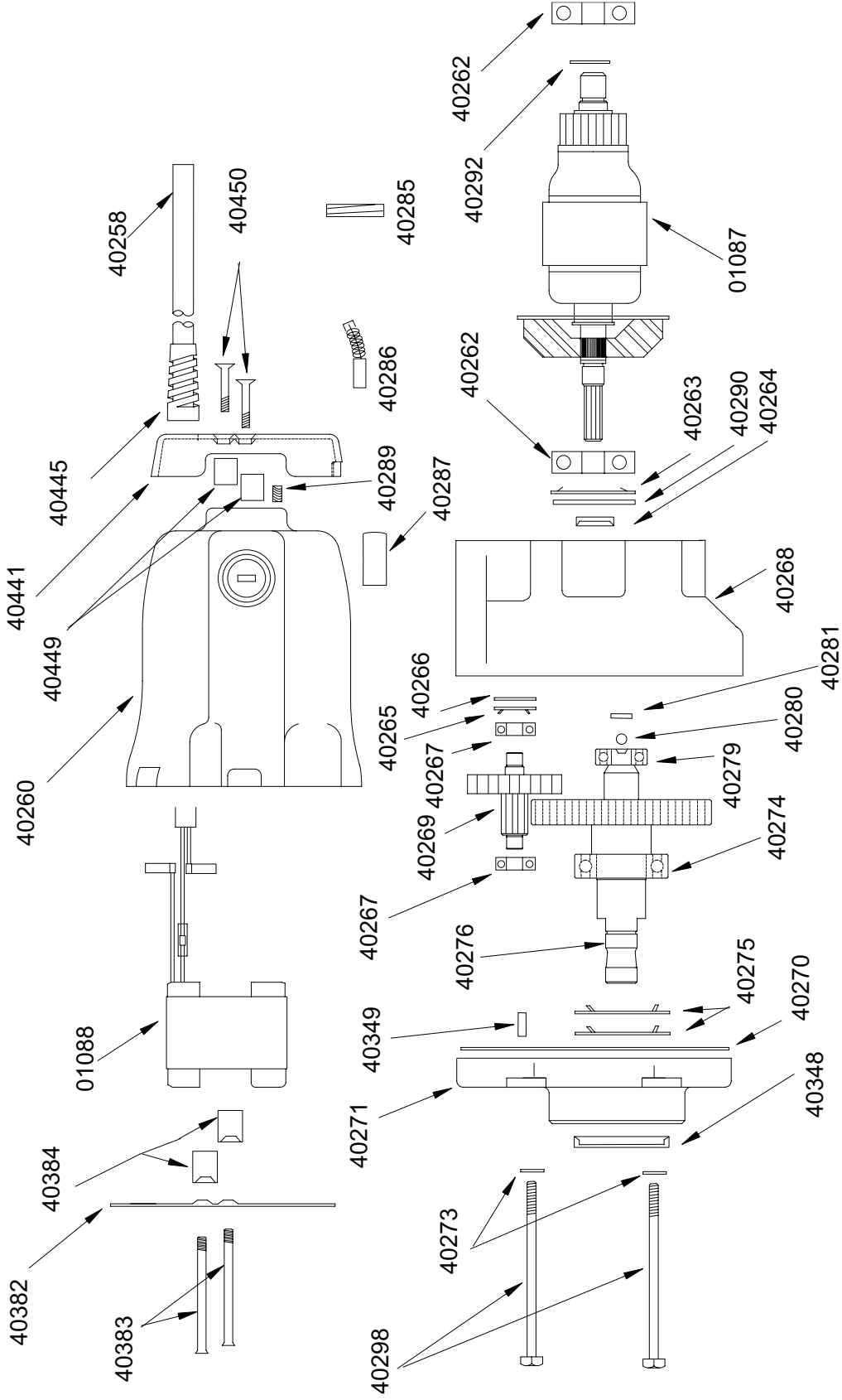
Panel Components



Panel Components

Part #	Description	Quan.	Part #	Description	Quan.
00998	Faceplate	1	04893	Phillips Screw	3
01005	Relay-Logic	2	10703	LED	1
01006	Relay-Power 2	1	10757	Resistor 1 Meg	1
01183	Plug	1	10758	Rectifier Fullwave	1
01226	Switch Guard	1	10760	Surge Supressor	1
01228	Switch Seal Red/Off	2	10785	Circuit Breaker	1
01236	Push Button Switch On	2	40288	Cord 16/3	1
01237	Push Button Switch Off	2	40373	Strain Relief	1
01465	Circuit Breaker Boot	1	40374	Hex Nut #106-32	6
02409	Switch Seal Green	2	40455	Strain Relief	1
03665	Snubber Circuit	1	50037	Hex Nut #10-32	1
04495AUS	Power Cord Assembly (Aus Model)	1	50038	Lock Washer	1

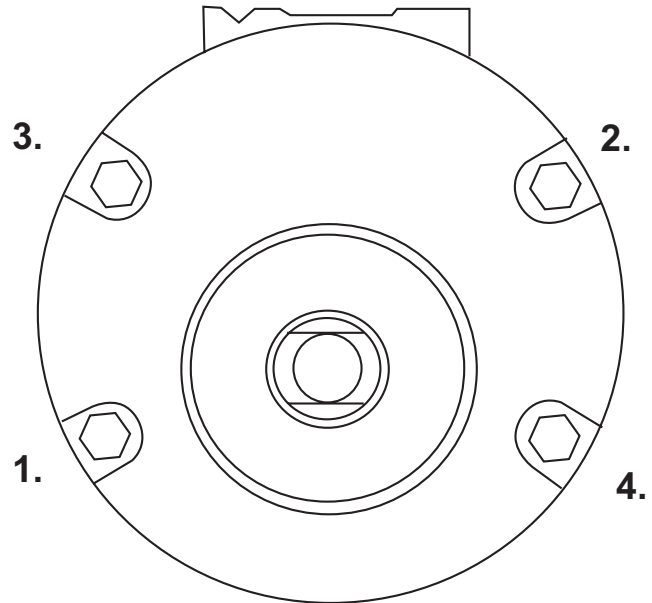
Motor Exploded View and Parts List



- 40287** Torque to 4 - 6 in/lb
- 40383** Torque to 15 - 25 in/lb (Use Loctite® #242)
- 40287** Loctite® #271 to outside of Brush Holder

Motor Bolt Sequence

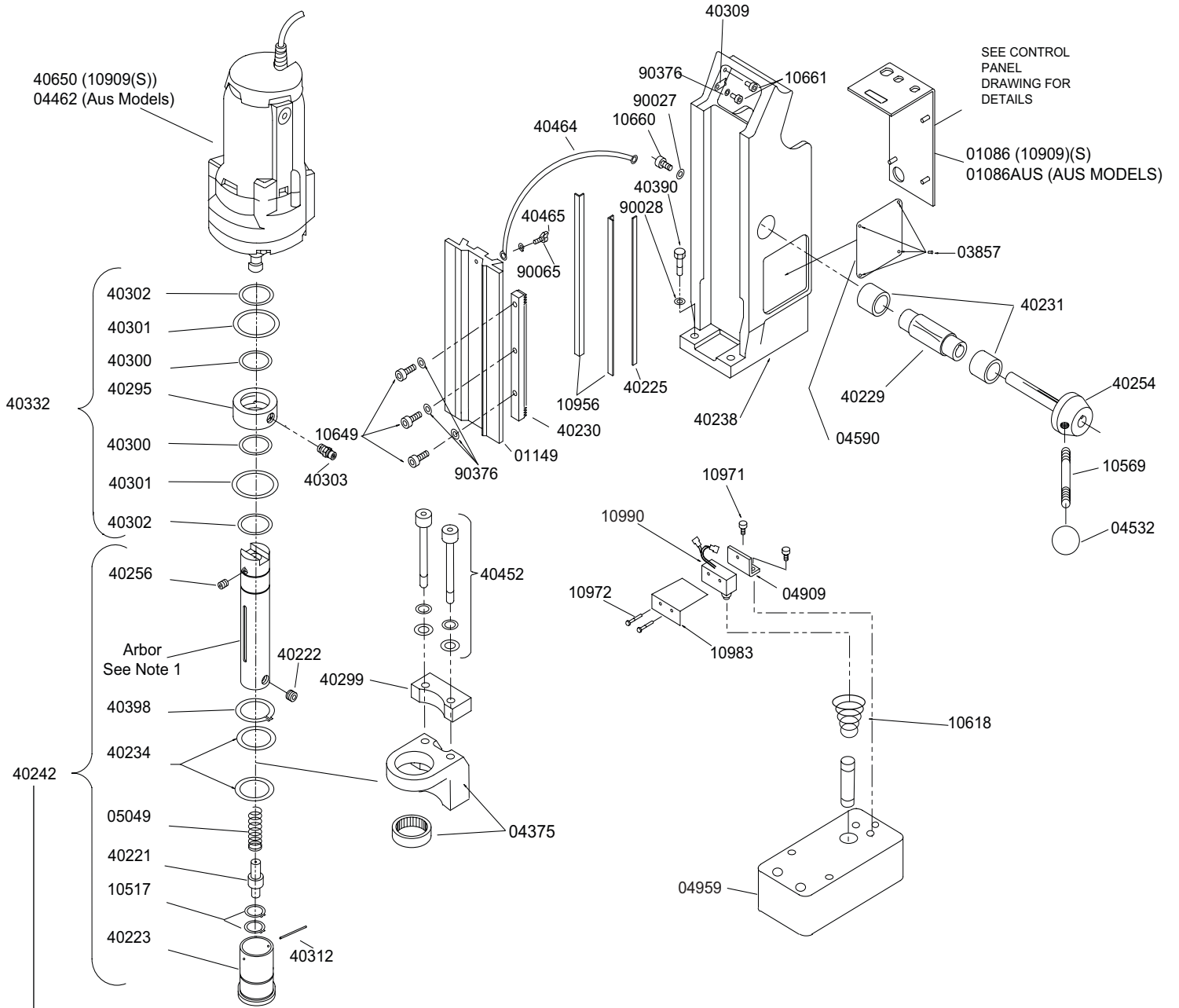
1. Tighten bolts in the sequence shown to 5 - 10 in/lb.
2. Retighten bolts in the same sequence to 35 - 40 in/lb.



Motor Parts List

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
01087	Armature Assembly 230V	1	40280	Ball	1
01088	Field Assembly 230V	1	40281	Motor Slug	1
04204	Motor Cord (3 wire)	1	40285	Brush Plug	2
40258	Motor Cord	1	40286	Brush, Carbon	2
40260	Housing, Brush End	1	40287	Brush Holder	2
40262	Bearing	2	40289	Screw #10-32 x 1/4"	2
40263	Spring, Flat	1	40290	Washer	1
40264	Seal	1	40292	Retaining Ring	1
40265	Spring, Flat	1	40298	Screw 1/4-20 x 3-1/2"	4
40266	Washer	1	40348	Seal	1
40267	Bearing	2	40349	Plug	1
40268	Housing, Gear	1	40350	Syntech Grease	8 oz.
40269	Gear Cluster	1	40382	Baffle	1
40270	Gasket	1	40383	Screw #10-32	2
40271	Cap, Gear Housing	1	40384	Baffle Spacer	2
40273	Lock Washer 1/4"	4	40441	End Cap	1
40274	Bearing	1	40445	Strain Relief	1
40275	Spring, Flat	2	40449	Spacer	2
40276	Gear Output	1	40450	Screw #10-32 x 1"	2
40279	Bearing	1	90424	Brush Holder Clip	2

EXPLODED VIEW



COOLANT BOTTLE SHOWN ON PAGE 8

10725 - Carrying Case

Note 1:

03736 - 10909 — Includes: 40222, 40256, 10517, 10513
03737 - 10909S

40242 for Coolant arbors only

PARTS LIST

Part No.	Description	No. Req'd.	Part No.	Description	No. Req'd.
01086	Control Panel 230V	1	40294	Motor Slide	1
01086Aus	Control Panel (Aus Model)	1	40295	Inducer	1
03736	Arbor 10909	1	40297	Screw - Slotted Hex	4
03737	Arbor 10909S	1	40299	Arbor Support Brkt. (3/4")	1
04375	Arbor Supp. Brkt. Assy	1	40300	"O" Ring	2
04462	230V Aus Replacement Motor	1	40301	Thrust Washer	2
04532	Feed Handle Knob	3	40302	Retaining Ring	2
04590	Warning Label	1(2)	40303	Coolant Fitting	1
04909	Safety Switch Adj. Brkt.	1	40304	Tubing 1/4" O.D.	1
04959	Magnet Assy	1	40309	Cord Clamp	1
04961	Plunger Assy	1	40312	Roll Pin - Modified	1
05049	Arbor Spring	1	40326	Cutting Fluid Valve	1
10517	Retaining Ring	1	40332	Inducer Assy.	1
10569	Feed Handle	3	40333	Brass Insert	1
10649	Screw SHC #10-32	3	40338	Nylon Ferrule, 1/4" Tube	1
10660	Screw SHC 1/4-20 x 5/8	1	40377	Shrink Tube	1
10661	Screw BHC #10-24	2	40390	Bolt-HH 1/4-20	3
10725	Carrying Case	1	40398	Ejector Collar Ret. Ring	1
10956	Brass Gibs - Pair	1	40417	Coolant Bottle	1
10971	Screw SHC 1/4-20	2	40419	Retaining Bracket - Right	1
10972	Screw BHC #6-32	2	40420	Retaining Bracket - Left	1
10977	Screw BH 1/4-20	1	40422	Coolant Bottle Clamp	1
10983	Safety Switch Ins. Shield	1	40424	Anti-Rotational Finger	1
10990	Safety Assy.	1	40429	Nut - Locking	1
17271	Taper Spring	1	40433	Coolant Bottle Cap	1
40221	Spring Seat	1	40442	Cutting Fluid Bottle Assy.	1
40222	Set Screw - Arbor	2	40452	Arbor Bolt Kit	1
40223	Ejector Collar	1	40464	Ground Strap	1
40225	Steel Gib	1	40465	Screw - HH 1/4-20	1
40229	Feed Gear	1	40650	230V Replacement Motor	1
40230	Gear Rack	1	50035	Washer 1/4" Internal Tooth	6
40231	Bushing - Bronze	2	51042	Screw SHC 1/4-20	2
40234	Thrust Washer	2	90027	Washer Flat	1
40237	Set Screw 1/4-28	5	90028	Washer 1/4" Helical	3
40238	Housing	1	90052	Washer Ground Screw	1
40242	Arbor Assy w/ejector (coolant)	1	90065	Washer 1/4" Star	2
40254	Hub Assy.	1	90352	Screw SHC 1/4-28	4
40256	Set Screw 5/16-18	1	90376	Washer #10 Internal	3