

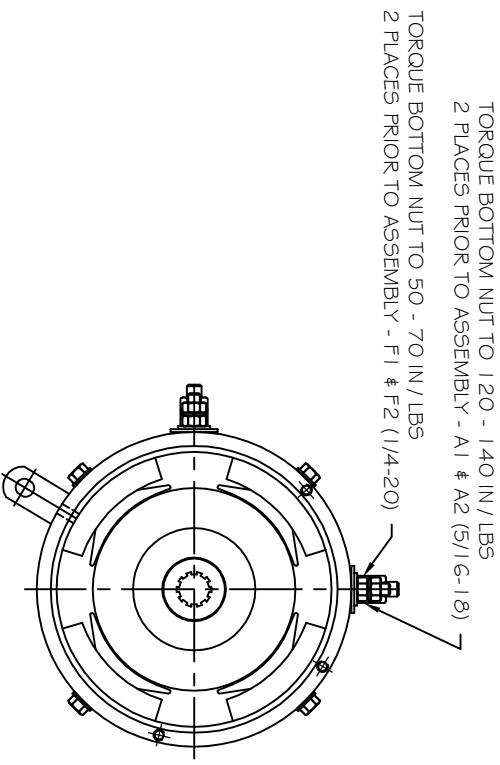
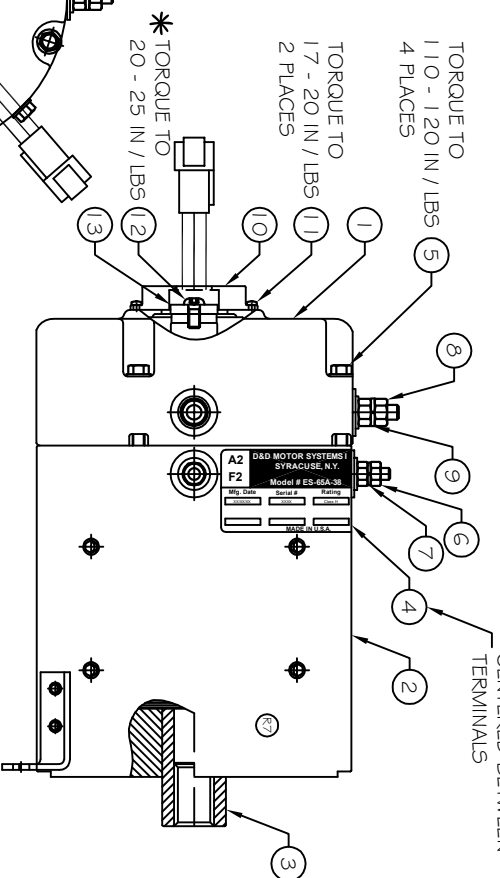
USE 170-504-002

NOTE: (14) (13)

APPLY ONE DROP OF
ITEM # 14 TO THE
THREADS OF HFAS - 6000
(ITEM # 12)

D&D MOTOR SYSTEMS INC.	
A2	A1
F2	F1
Model # ES-65A-38 SYRACUSE N.Y.	
Mfg Date	Serial #
Rating	Voltage
Class	XX
MADE IN U.S.A.	

ITEM #	PART #	QUANTITY	PART DESCRIPTION
(14)	1 CEHA170 - 0001	1	COMMUTATOR END HEAD ASSEMBLY
2	EP-489A	1	FRAME & FIELD ASSEMBLY
3	ARMA170 - 0012A	1	ARMATURE ASSEMBLY
(13)	4 NAME - 3007	1	NAME LABEL
5	HFAS - 3001	4	SCREW
6	HNUT - 1000	2	NUT (1/4-20)
7	HWAS - 2000	2	LOCK WASHER
8	HNUT - 1001	2	NUT (5/16-18)
9	HWAS - 2001	2	LOCK WASHER
10	SPSS - 0002	1	SPEED SENSOR
(12)	11 HFAS - 6000	2	SCREW
(11)	12 HWAS - 6000	1	SCREW
(10)	13 VWS - 1004	1	MAGNET
(9)	14 LOC - 0001	/ R	LOC TITE



TORQUE TO
110 - 120 IN / LBS
4 PLACES

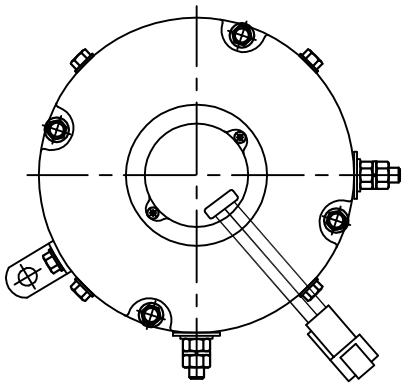
TORQUE TO
17 - 20 IN / LBS
2 PLACES

* TORQUE TO
20 - 25 IN / LBS

CENTERED BETWEEN
TERMINALS

TORQUE BOTTOM NUT TO 120 - 140 IN / LBS
2 PLACES PRIOR TO ASSEMBLY - A1 & A2 (5/16-18)

TORQUE BOTTOM NUT TO 50 - 70 IN / LBS
2 PLACES PRIOR TO ASSEMBLY - F1 & F2 (1/4-20)



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DO NOT SCALE
WORK TO DIMENSIONS
TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS
XX _____ .01
XXX _____ .005
XX ROUGH CASTING _____ .03
HOLES _____ -.001 / +.006
ANGLES _____ 0°30'

D&D MOTOR SYSTEMS INC.

MOTOR ASSEMBLY

SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	2-5-04		ES-65A-38 (13)	R7
SCALE	STF	DRAWN BY	MJG	REV DATE
				3-8-13