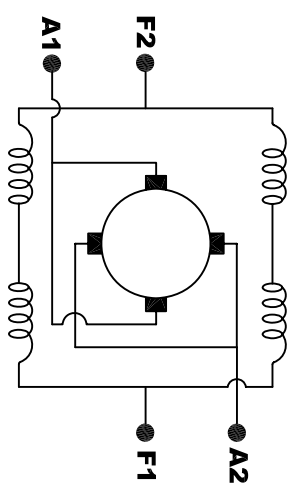
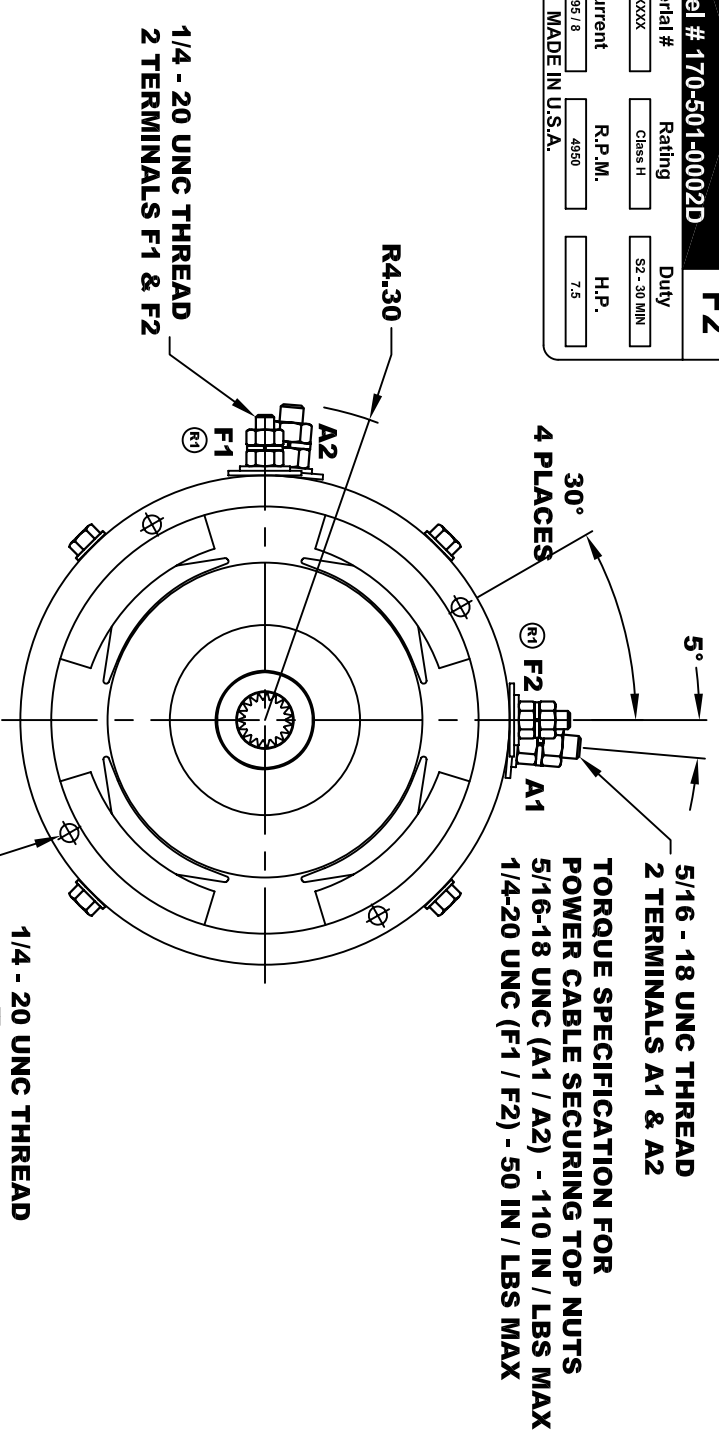


A2		RIDE - 4 - FUN		A1	
F1		GEMRIDE4FUN@AOL.COM		F2	
Model # 170-501-0002D					
Mfg. Date	Serial #	Rating	Duty		
XXXXXX	XXXX	Class H	S2-30 MIN		
Voltage	Current	R.P.M.	H.P.		
72	95 / 8	4950	7.5		
MADE IN U.S.A.					



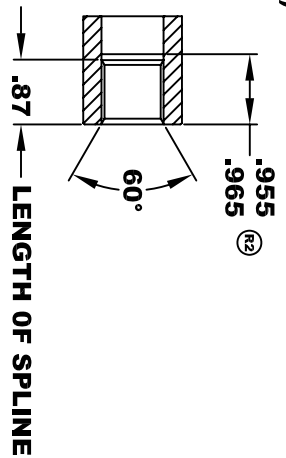
ELECTRICAL WIRING DIAGRAM

MOTOR WIRING CONNECTIONS:
CW ROTATION DRIVE END
CONNECT A1 & F2 TO ONE BATTERY TERMINAL
CONNECT A2 & F1 TO OTHER BATTERY TERMINAL
CCW ROTATION DRIVE END
SWITCH F1 & F2 CONNECTIONS

SPEED SENSOR ELECTRICAL SPECIFICATION:
 -4.5V TO 24V OPERATING VOLTAGE
 -20°C TO 85°C OPERATING TEMPERATURE
 -CURRENT SINKING UP TO 25mA
 -AN EXTERNAL OUTPUT PULL UP RESISTOR IS REQUIRED
 -SENSOR IS DESIGNED TO OPERATE WITH 4 N/S POLEPAIRS
 AND THE HOUSING, INCLUDING ANY RUNOUT
 SHOULD NOT EXCEED .030 INCHES

INTERNAL INVOLUTE SPLINE SPECIFICATION
CLASS 5 FILLET ROOT SIDE FIT (PER A.N.S.I. B92.1)

NO. OF TEETH _____ 19
 SPLINE PITCH _____ 24 / 48
 PRESSURE ANGLE _____ 45°
 BASE Ø _____ .5597 REF
 PITCH Ø _____ .7916 REF
 MAJOR Ø _____ .850 - .859
 FORM Ø _____ .835
 MINOR Ø _____ .767 - .772
 CIRCULAR SPACE WIDTH _____ .0764
 EFFECTIVE SPACE WIDTH _____ .0738
 MAX. DIMENSION BETWEEN
 TWO PINS _____ .6714
 PIN Ø _____ .0800
 SPLINE HARDNESS TO BE R/C 26-34



MOTOR WEIGHT: 46 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 5

THIS PRINT IS THE PROPERTY OF D&D MOTOR SYSTEMS INC.
 DO NOT SCALE
 WORK TO DIMENSIONS
 TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS

.XXX _____ .005
 .XX _____ .01
 .XX ROUGH CASTING _____ .03
 HOLES _____ -.001 / +.006
 ANGLES _____ 0°30"

D & D MOTOR SYSTEMS INC		MOTOR OUTLINE	
SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.
B	8-18-04	8-18-04	170 - 501 - 0002D
SCALE	STF	DRAWN BY	MJG
			REV DATE
			R2 12-6-05