

FOR MOTOR BODY /
CLUTCH ROTOR ASSEMBLY
SEE DRAWING 85008153

SHIM CLUTCH TO ACHIEVE
0.2MM AIR GAP

82000657
82001468

2000993
2000997
2000125
2100099

FOR 1/4 HP INTERFACE
ASSEMBLY SEE DRAWING
88000200

FOR EXTENDED CONSTELLATION
NOSE ASSEMBLY SEE DRAWING
85006457

82000547 n2 1Nm
9
82000213 n2 21Nm
3
82000627 2
82000171 2

82100114
APPLY GREASE TO
GEAR SET PRIOR TO
ASSEMBLY

85000465
82000614 2
82000573
82001193 D

82000261 2
82000255 2
82000153 n4 2

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- GENERAL NOTES:-
1. ALL DIMENSIONS IN BRACKETS () ARE FOR REFERENCE ONLY. ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE
 2. M4 BOLTS TO BE TIGHTENED TO 2.5Nm ±0.5Nm
 3. M5 BOLTS TO BE TIGHTENED TO 5.0Nm ±1.0Nm
 4. M6 BOLTS TO BE TIGHTENED TO 9.0Nm ±1.0Nm
 5. M8 BOLTS TO BE TIGHTENED TO 21.0Nm ±2.0Nm
 6. M10 BOLTS TO BE TIGHTENED TO 43.0Nm ±3.0Nm

- PRODUCTION NOTES:-
- n1. TYPE PART NUMBER, SERIAL NUMBER AND VOLTAGE ONTO MOTOR ID TAG
 - n2. USE LOCTITE 222 THREADLOCKER
 - n3. SHIM QUANTITIES MAY VARY, TO BE DETERMINED ON ASSEMBLY
 - n4. DO NOT TIGHTEN - FINGER TIGHT ONLY

DATE CHANGED	ISS	CHANGE DESC.	BY
04/07/08	B	REDRAWN	DW
11/09/08	C	ECR#1209	DW
20/03/07	D	ECR#1640	DW
15/08/07	E	ECR#1821	DW

PROJECTION:-

SCALE:- 1:1.5 @ A3
DRAWN:- DAVE WORTHINGTON
DATE:- 04/07/2006
SHEET:- 1 OF 2
CHECK'D:-

TITLE:-
1/4 HP 12V
CONSTELLATION DRIVE
EXTENDED OUTPUT

LEWMAR
LEWMAR STEERING DIVISION
UNIT 1, BLOCK 5, FORTRESS, LIPKOTE HWY,
LUTON, BEDFORDSHIRE, UK LU4 9EP
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EMAIL: DESIGN@WORTHINGTON.CO.UK

DWG NO:- 89300090
REV E

MANUAL & TEST
INTO BAG. COIL
TOGETHER AND
IN BAG / SECURE
WITH CABLE TIE

