

A1 INSTALLATION DRAWING

IF THIS DOCUMENT IS PRINTED IN HARD COPY, IT IS FOR INFORMATION USE ONLY AND THEREFORE IS NOT SUBJECT TO UPDATING CONTROLS. ALWAYS REFER TO SOLIDWORKS VIEWER FOR LATEST ISSUE



THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD.

© AP Racing Ltd. 2004

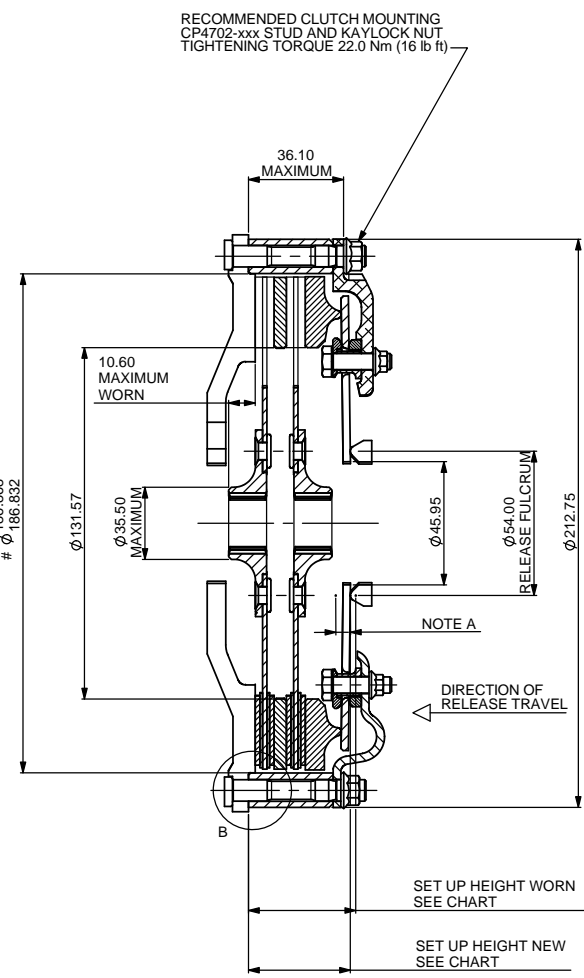
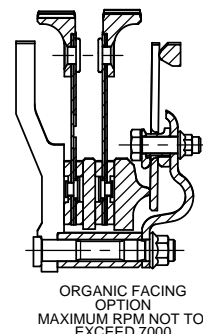
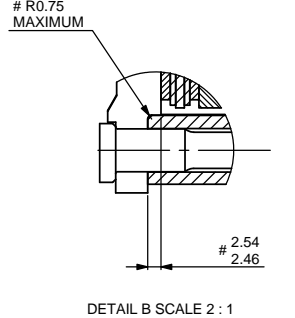
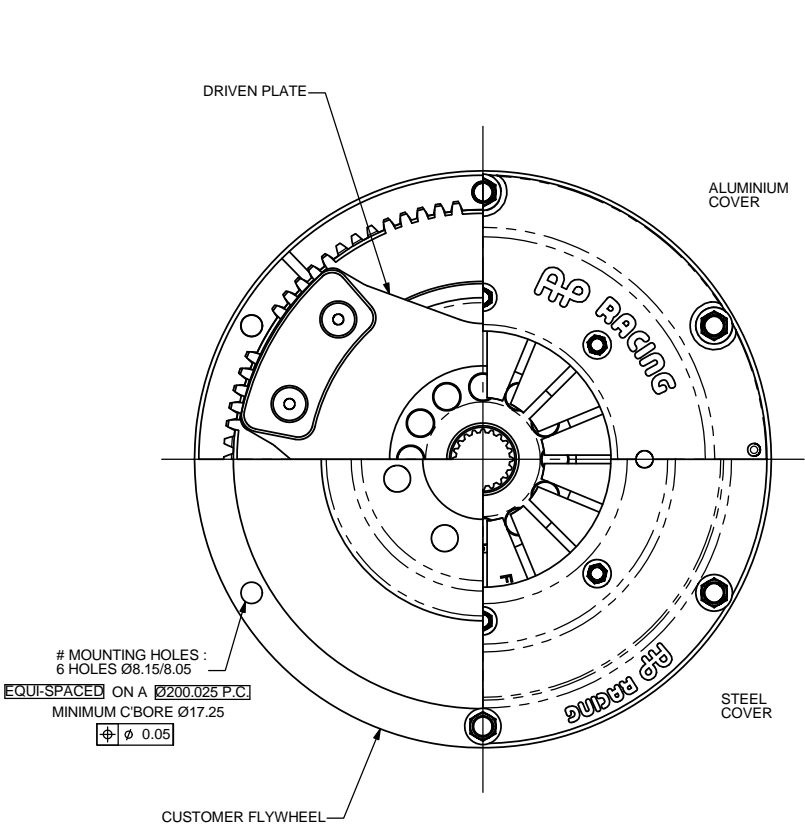
AP Racing
Wheler Road
Coventry
CV3 4LB

Tel: +44 (0) 24 7663 9595
Fax: +44 (0) 24 7663 9559

e-mail: engineering@apracings.co.uk
Web site: <http://www.apracing.com>

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
6	05/04/05 C2625	REDRAWN IN SOLIDWORKS	#	JG
7	01/02/10 C3789	CRV ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 4400N WAS 347daN TORQUE CAPACITY: 636Nm WAS 598Nm ORA ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 3300N WAS 222daN TORQUE CAPACITY: 421Nm WAS 400Nm GRN ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 2200N WAS 154daN TORQUE CAPACITY: 263Nm WAS 267Nm ALL REFS: MAX PEAK NEW RELEASE LOAD ADDED.	#	JG
8	24/03/10 C3784	ORGANIC DRIVEN PLATE OPTION ADDED.	#	JG

08A	13/08/13	CP5386-12 AND -15 ADDED TO ORGANIC DRIVE PLATE COLUMN.	C5	DW
-----	----------	--	----	----



RECOMMENDED RELEASE BEARING :-
STEEL CAGED, ROUND NOSED BALL TYPE BEARING TO BE FREE OF SPRING FINGERS WHEN CLUTCH IS FULLY ENGAGED.
CP3457-2 STANDARD RELEASE BEARING (OUTER RACE ROTATES)
CP3457-6 HIGH SPEED RELEASE BEARING (INNER RACE ROTATES).

SUGGESTED FLYWHEEL MATERIAL :-
0.35/0.45% CARBON STEEL, BRINELL 200 MIN. OR SUITABLE MATERIAL FOR HIGH RPM.
FRICTION FACE TO BE FINE TURNED AND GROUND SMOOTH AND FLAT, RUNOUT AT R77.2 <=0.08 MAX. WHEN ASSEMBLED TO CRANKSHAFT.

TORQUE CAPACITY :-
FOR APPLICATIONS EXCEEDING THE MAXIMUM RECOMMENDED FIGURES PLEASE CONTACT A.P. RACING.

FLYWHEEL DIMENSIONS
NOTE A :-
RELEASE TRAVEL TO BE LIMITED TO 5.50 MAXIMUM BY MEANS OF AN EXTERNAL STOP.

DRIVEN PLATES				
SPLINE SIZE	3 PADDLE PLATE CP2606 TYPE	4 PADDLE PLATE CP3219 TYPE	6 PADDLE PLATE CP4946 TYPE	ORGANIC TYPE
1.00" x 23	CP2606-17	CP3219-1	CP4946-7	CP5386-10
7/8" x 20	CP2606-18	CP3219-3	CP4946-6	CP5386-12
29 x 10	CP2606-65	CP3219-9	N/A	CP5386-15
21.1 x 18	CP2606-91	CP3219-5	CP4946-2	N/A
25.5 x 24	CP2606-97	CP3219-31	CP4946-8	N/A

CLUTCH ASSEMBLY PART No.	COVER TYPE	SET UP HEIGHT		RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (N) MAX. PEAK NEW	RELEASE LOAD (N) MAX. PEAK WORN
		NEW	MAX. WORN			
CP2606ACRV CP2606CRV	ALUMINIUM STEEL	39.89 37.60	42.38	636 (469)	3500	4400
CP2606AORA CP2606ORA	ALUMINIUM STEEL	40.16 37.87	42.65	421 (310)	2400	3300
CP2606AGRN CP2606GRN	ALUMINIUM STEEL	41.24 38.98	43.72	263 (194)	1600	2200

CLUTCH 'WEAR IN'
THIS CLUTCH HAS BEEN DESIGNED TO ACHIEVE 0.75mm 'WEAR IN' MINIMUM.
DRIVEN PLATE THICKNESS NEW: 7.08 NOMINAL
DRIVEN PLATE THICKNESS WORN: 6.68 MINIMUM

ASSMBLY INERTIA			
CLUTCH TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S.	COMPLETE ASSY. INERTIA INC. D/P'S.	D/P AND HUB INERTIA
3 PADDLE STEEL COVER ALUMINIUM COVER	4.286 kg 4.036 kg	0.0260 kgm² 0.0246 kgm²	0.00364 kgm²
4 PADDLE STEEL COVER ALUMINIUM COVER	4.494 kg 4.246 kg	0.0271 kgm² 0.0257 kgm²	0.00474 kgm²
6 PADDLE STEEL COVER ALUMINIUM COVER	4.836 kg 4.588 kg	0.0293 kgm² 0.0279 kgm²	0.00694 kgm²

SCALE 1:1

SHEET 1 OF 1

DRAWN

Jeremy Govan

APPROVED

DERIVED FROM

cp2606-1cd (Medusa)

TITLE

Ø7,25" 6 BOLT,
'A' RING CLUTCH

DRG NO.

cp2606-1cd