

# A1 INSTALLATION DRAWING

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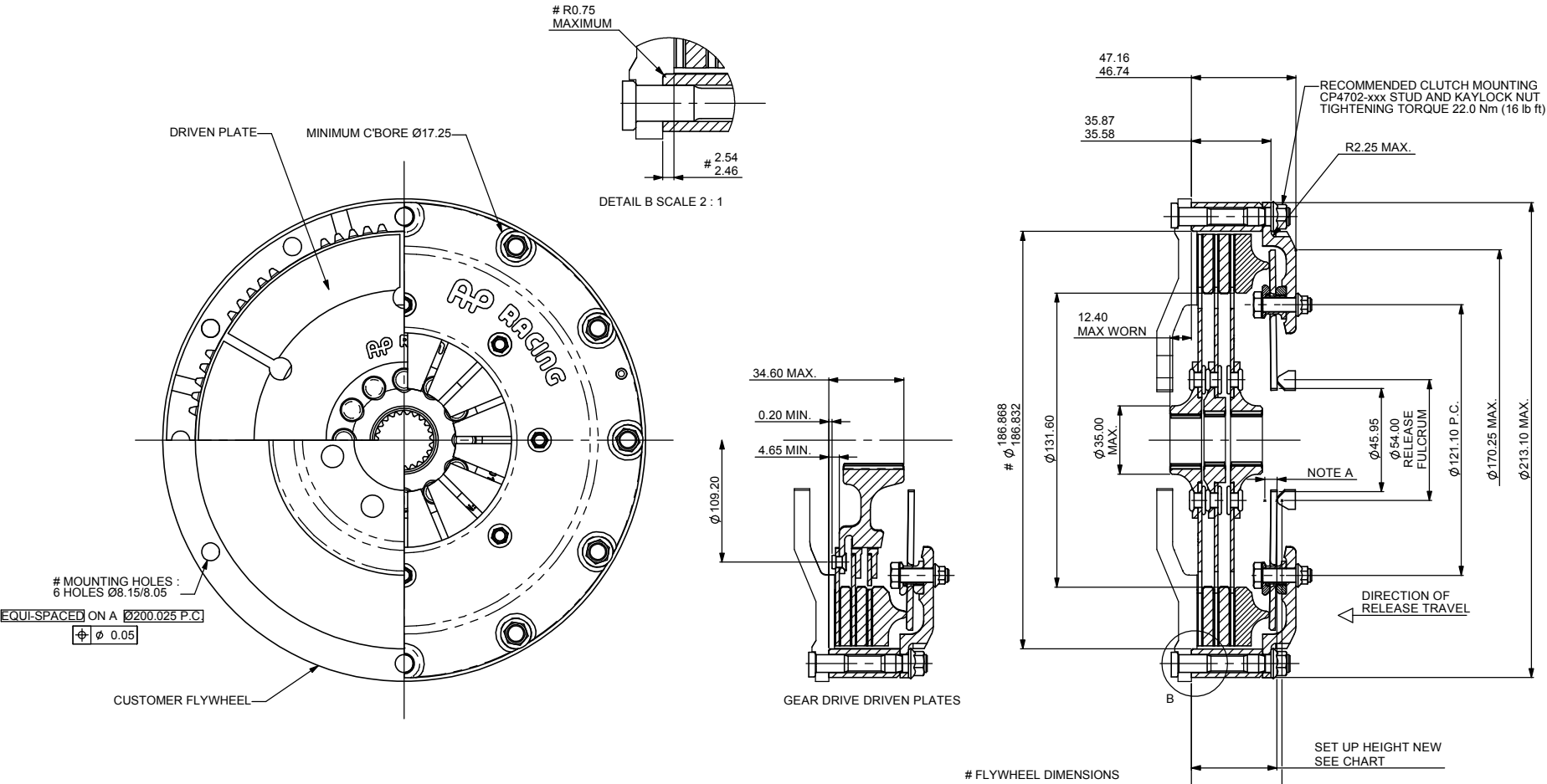


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Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
5	01/02/10 C3789	REDRAWN IN SOLIDWORKS. CRV ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 4400N WAS 347daN TORQUE CAPACITY: 978Nm WAS 1150Nm ORA ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 3300N WAS 222daN TORQUE CAPACITY: 631Nm WAS 755Nm GRN ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 2200N WAS 154daN TORQUE CAPACITY: 394Nm WAS 530Nm ALL REFS: MAX PEAK NEW RELEASE LOAD ADDED.	#	Jo



### 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.

### 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

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

ALTERNATIVE CLUTCH MOUNTING:  
CAP HEAD BOLT (C'BORED TREAD)  
TIGHTENING TORQUE 22.0 Nm (16 lb ft)

DRIVEN PLATES			
SPLINE SIZE	DRIVEN PLATE (OUTER)	DRIVEN PLATE (INNER)	GEAR DRIVE TYPE (OUTER CP2822-31)
1.00" x 23	CP2012-165FM3	CP2012-178FM3	CP2822-23
7/8" x 20	CP2012-166FM3	CP2012-179FM3	CP2822-20
29 x 10	CP2012-199FM3	CP2012-245FM3	CP2822-29
1"5/8 x 26	CP2012-171FM3	CP2012-173FM3	CP2822-9
FOR OTHER SPINE SIZES PLEASE CONTACT AP RACING			

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			
CP2817ACRV	ALUMINIUM	40.42 37.43	42.90	978 (721)	3500	4400
CP2817AORA	ALUMINIUM	40.30 37.32	42.79	631 (465)	2400	3300
CP2817AGRN	ALUMINIUM	41.76 38.61	44.25	394 (291)	1600	2200

ASSMBLY INERTIA			
CLUTCH TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S.	COMPLETE ASSY. INERTIA INC. D/P'S.	D/P AND HUB INERTIA
BACK TO BACK ALUMINIUM COVER	5.23 kg	0.030 kgm²	0.0060 kgm²
GEAR DRIVE TYPE ALUMINIUM COVER	5.50 kg	0.032 kgm²	0.0060 kgm²

SCALE 1:1		SHEET 1 OF 1	
DRAWN	Jeremy Govan		
APPROVED			
DERIVED FROM	CP2817-1CD (MEDUSA)		
TITLE			
Ø 7,25" (Ø184.00mm) TRIPLE PLATE CLUTCH ASSEMBLY			
DRG NO.	CP2817-1CD		