

A1 INSTALLATION DRAWING

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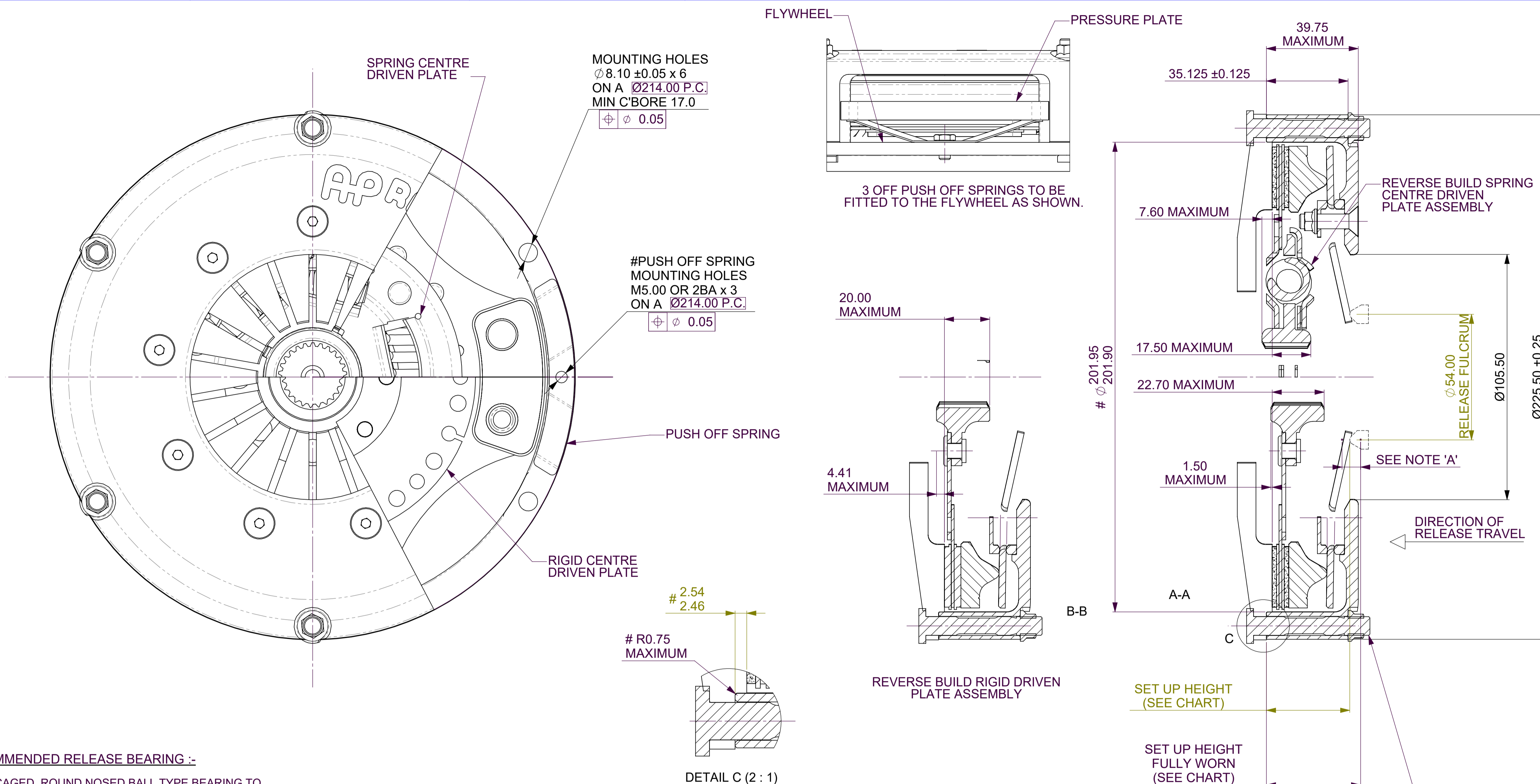


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Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars			
6	07/01/04 C2364	REDRAWN IN SOLIDWORKS PUSH OFF SPRING LOCATION DETAIL ADDED.		#	JG
7	19/10/04 C2551	COVER MOUNTING DETAIL CLARIFIED.		#	JG
8	04/03/10	CP4816-12 AND -13 POSITIONS CORRECTED IN DRIVEN PLATE TABLE		#	JG
9	24/03/14 C4684	MAX TRAVEL 8.00 WAS 5.50 SUH UPDATED CP3871AGRY 420Nm WAS 450Nm		D11 A3 A5	BJP
10	24/07/2020 RAC23386	RECOMMENDED STUD NOTE UPDATED TO INDICATED STUD FAMILY NUMBER		D11	GS



THIS CLUTCH ASSEMBLY IS ONLY SUITABLE FOR USE WITH REVERSE BUILD SPRING CENTRE DRIVEN PLATE ASSEMBLIES.

DRIVEN PLATES WITH OTHER HUB LENGTHS AND SPLINE TYPES ARE AVAILABLE.

RECOMMENDED CLUTCH MOUNTING:
(FOR ALL TYPES OF ASSEMBLY)
M8x1.0, CP4702 FAMILY STUD AND
KAYLOCK NUT
TIGHTENING TORQUE 22.0 Nm (16 lb ft)

NOTE A :
RELEASE TRAVEL TO BE LIMITED
TO 8.00 MAXIMUM BY MEANS OF
AN EXTERNAL STOP.

FLYWHEEL DIMENSIONS

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 NOM
DRIVEN PLATE THICKNESS WORN: 6.29 MIN

DRIVEN PLATES						
SPLINE SIZE	3 PADDLE PLATE CP5213 TYPE	4 PADDLE PLATE CP5214 TYPE	6 PADDLE PLATE CP5216 TYPE	3 PADDLE S/CENTRE TYPE	4 PADDLE S/CENTRE TYPE	6 PADDLE S/CENTRE TYPE
1.00" x 23	N/A	CP5214-12	CP5216-15	N/A	CP4814-21	CP4816-12
7/8" x 20	N/A	CP514-14	CP5216-14	N/A	CP4814-15	CP4816-13
29 x 10	N/A	N/A	N/A	N/A	N/A	CP4816-11

CLUTCH ASSEMBLY PART No.	SET UP HEIGHT		RECOMMENDED MAX DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (daN) MAX. PEAK WORN
	NEW	MAX. WORN (0.75 WEAR-IN)		
CP3871ACRV	38.63 36.22	42.32 (0.75 WEAR-IN)	525 (387)	420
CP3871AGRY	38.41 36.00	42.10 (0.75 WEAR-IN)	420 (310)	350

ASSMBLY INERTIA			
DRIVEN PLATE TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S. (kg)	COMPLETE ASSY. INERTIA INC. D/P'S. (kgm ²)	D/P AND HUB INERTIA. (kgm ²)
4 PADDLE CERAMAETALLIC	3.8640	0.0248	0.0033
4 PADDLE S/CENTRE	4.2820	0.0257	0.0042
6 PADDLE CERAMAETALLIC	4.0080	0.0259	0.0044
6 PADDLE S/CENTRE	4.4920	0.0315	0.0100

SCALE 1:1	SHEET 1 OF 1
DRAWN	JEREMY GOVAN
APPROVED	
DERIVED FROM	CP3781-1CD.SHE
TITLE	
Ø200mm CLUTCH INSTALLATION	
DRG NO.	CP3871-1CD