

A1 INSTALLATION DRAWING

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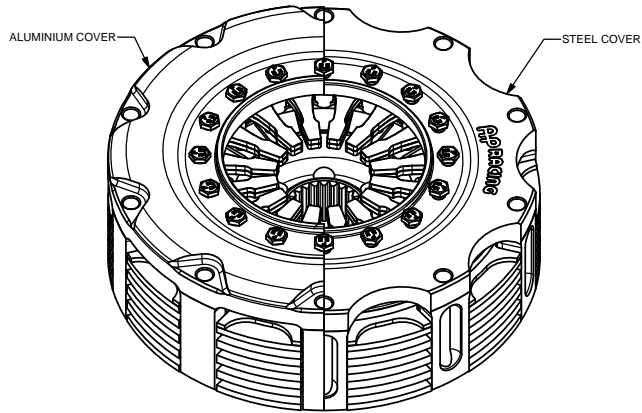


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CP6914 FAMILY, Ø140mm CARBON/CARBON CLUTCH ASSEMBLY



CP6914 FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY

(Nm)	1523	1676		
(ft.lb)	1123	1235		

RELEASE LOAD

Max. Peak Worn (N)	7500	8500		
Max. Peak New (N)	6000	6850		

WEAR IN (See Note)

	1.25	1.25		
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Set Up Height New	46.34	46.74		
	44.54	44.94		

Set Up Height Worn	50.06	50.46		
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(Set Up Height is calculated from the flywheel friction face.)

Release Ratio	2.94	2.94		
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	Aluminium Cover	Steel Cover		
Assembly Mass	2.39 kg	2.94 kg		
Assembly Inertia	0.007753 kg.m ²	0.010277kg.m ²		

Estimated Driven Plate and Hub Inertia = 0.001486 Kgm²

PERFORMANCE SUFFIX	OH	GH		

For Reference				
Diaphragm Spring Rate	ORA	GRY		
Clutch Ratio	HIR	HIR		

MATERIAL SUFFIX	COVER MATERIAL	PRESSURE PLATE MATERIAL	CARBON / CARBON TYPE
02	ALUMINIUM	STEEL	HEAVY DUTY (S3)
03	STEEL	STEEL	HEAVY DUTY (S3)

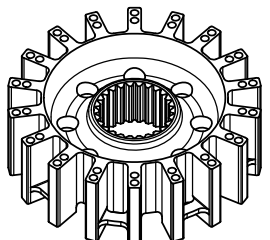
FLYWHEEL TYPE	SUFFIX	COMMENTS
STANDARD FLAT FLYWHEEL	FN	INSTALLATION DATA ON SHEETS 1 & 2

Sample AP Racing Part No. **CP6914-GH03-FN**

WEAR IN
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE, WHICH MUST BE COMPENSATED FOR BY USING PRESSURE PLATE "FULCRUM" FROM THE KITS DETAILED BELOW.
THE MAXIMUM CARBON STACK WEAR FOR THIS ASSEMBLY IS 6.00mm

PRESSURE PLATE KITS	
	OH & GH
STANDARD KIT 0.50 - 4.25 IN 0.50 STEPS	CP6514-4SS
INTERMEDIATE KIT 0.25 - 4.75 IN 0.50 STEPS	CP6514-5SS

ISSUE No.	Alterations			Zone	Initials
	Date & No.	Particulars	#		
1	02/02/01 C1793	FIRST ISSUE		gs	
2	04/04/01	OPTIONAL STARTER RING ADDED TO DRAWING RELEASE FULC. DIA CHANGED TO Ø38.00 FROM Ø33.00 S.U.H. FIGURES UPDATED WEIGHT & INERTIA FIGURES UPDATED	H4 F9 A2 F6	gs	
3	11/11/02 C1903	ASSEMBLY NUMBER WAS CP6914TACRV	A1	JG	
4	07/07/04 C2476	REVISED HUB DETAILS VIEW OF ALTERNATIVE HUB TYPE ADDED	B5 D5	BJP	
5	22/07/04 C2476	REVISED HUB DETAILS ALTERNATIVE HUB VIEW DELETED UPDATED MASS & INERTIA	B5	BJP	
6	07/11/05 RAC21284	TORQUE CAPACITY: OH - 1523 WAS 1463	#	JG	
7	31/10/07 C3255	RELEASE LOADS: OH : 8150 WAS 740 5000 WAS 350 (N WAS daN)	#	JG	
8	15/10/15 C4968:02	CP6904-118S ADDED REDRAWN TO LATEST FORMAT CP6914-OH02-FN SPRING LOADS & COVER DIMS UPDATED SHEET 2 ADDED CP6914-GH03-FN ADDED	D1	CPC JCD	
9	11/11/15 C4968:04	SHEET 2: 55.58/53.43 WAS 56.63/54.48 53.20/51.55 WAS 54.26/52.61	K7 F7	JCD	

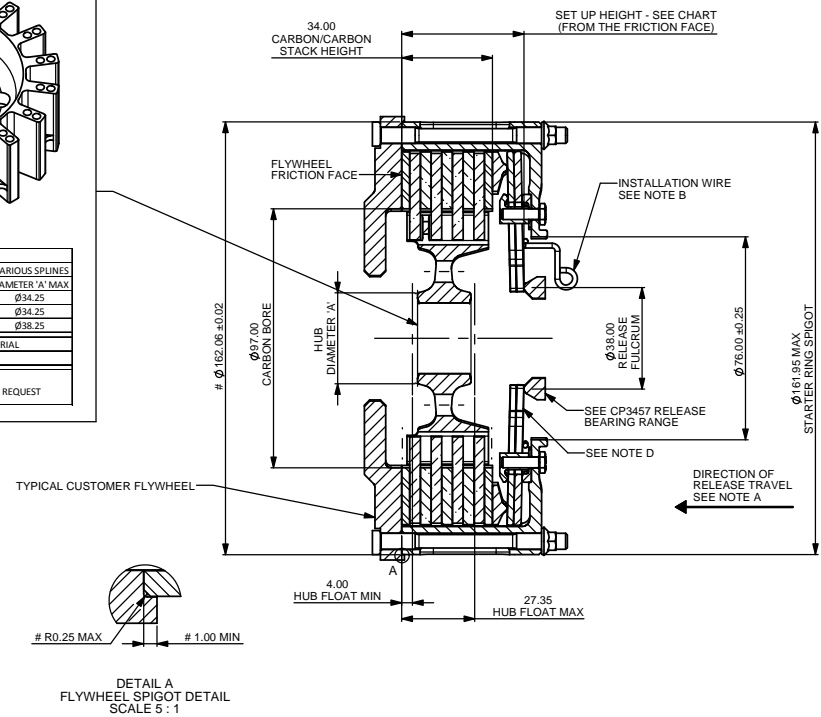


HUB DETAILS		
HUB PART No.	SPLINE DETAILS	DIAMETER 'A' MAX
CP6904-112s	1.16" x 26T	Ø34.25
CP6904-113s	28 x 25 x 30"	Ø34.25
CP6904-118s	1.25 x 29 x 30"	Ø38.25

HUB MATERIAL SUFFIX	HUB MATERIAL
S	STEEL

NOTE:
HUBS WITH OTHER SPLINE SIZES AVAILABLE ON REQUEST

- NOTES**
- NOTE A:**
RELEASE TRAVEL TO BE LIMITED TO 4.00mm MAX.
- NOTE B:**
INSTALLATION WIRE ENSURES FLYWHEEL SIDE CARBON PLATE IS CORRECTLY LOCATED ON COVER LUGS DURING CLUTCH INSTALLATION. THIS WIRE MUST BE REMOVED AFTER INSTALLATION AND BEFORE USE.
- NOTE C:**
DIMENSIONS MARKED WITH PREFIX # ARE FLYWHEEL DIMENSIONS
- NOTE D:**
FIT SPRINGS WITH COATED FACES TOGETHER



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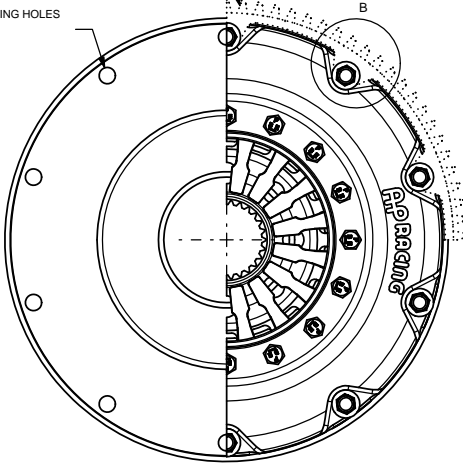
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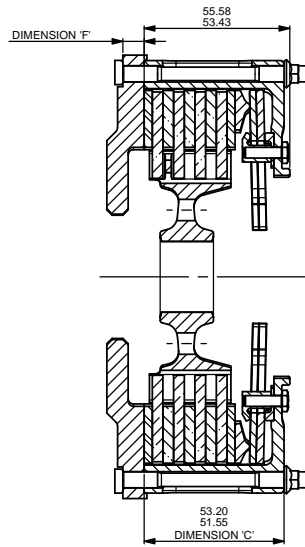
Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	-

OPTIONAL STARTER RING (SUPPLIED BY CUSTOMER)

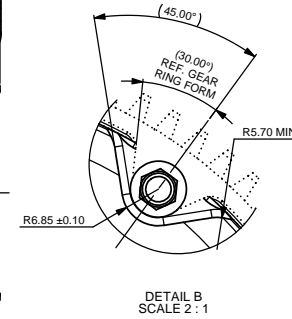
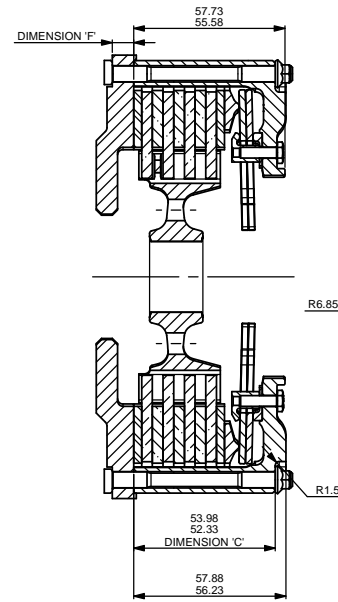
FLYWHEEL DIMENSIONS:
(RECOMMENDED FOR CP4703 STUDS)
10x $\varnothing 6.006 \pm 0.006$ MOUNTING HOLES
 $\varnothing 152.00$ P.C.
 ± 0.05



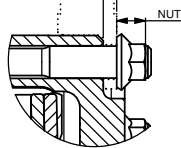
DIMENSIONS SPECIFIC TO CP6914-GH03-FN



DIMENSIONS SPECIFIC TO CP6914-OH02-FN



OPTIONAL STARTER RING (SUPPLIED BY CUSTOMER)
DIMENSION 'R' OPTIONAL TRIGGER RING THICKNESS



RECOMMENDED CLUTCH MOUNTING:
(FOR ALL TYPES OF ASSEMBLY)

10x M6 x 1.0; CP4703 FAMILY STUD AND KAYLOCK NUT.
NUTS TO BE TIGHTENED IN A DIAMETRICALLY-OPPOSITE SEQUENCE,
HALF A TURN AT A TIME
TIGHTENING TORQUE: 10Nm (7.5 lb ft)

LENGTH OF STUDS REQUIRED TO BE CALCULATED THUS:

$$\text{STUD LENGTH} = \text{DIMENSION 'C'} + \text{DIMENSION 'F'} + (\text{'R' OPTIONAL}) + \text{NUT}$$

THIS CALCULATED LENGTH SHOULD THEN BE ROUNDED UP TO THE NEXT AVAILABLE STANDARD STUD LENGTH

SCALE 1:1	SHEET 2 OF 2
DRAWN	JACK DUDMAN
APPROVED	
DERIVED FROM	#
TITLE	$\varnothing 140.0$ C/C PUSH TYPE 4 PLATE CLUTCH
DRG NO.	CP6914-1CD