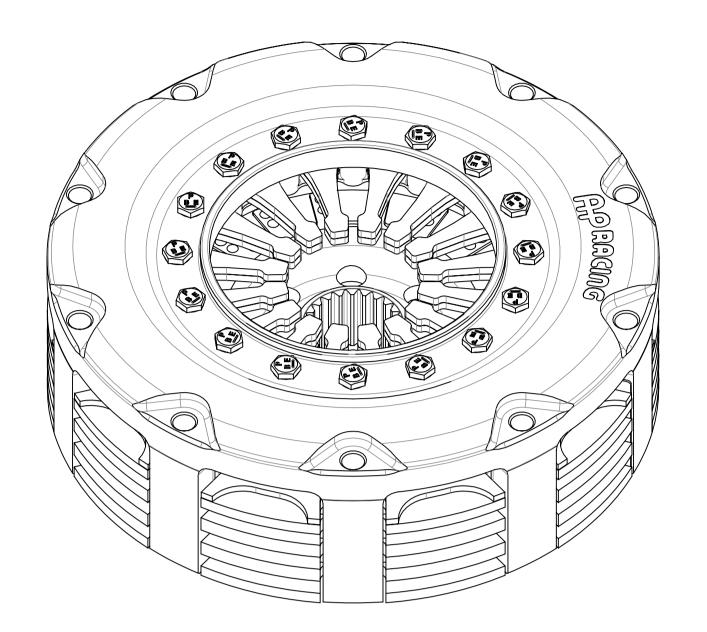
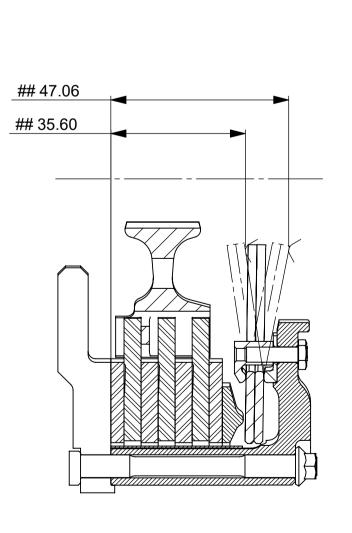
CP6913 Ø140mm (5.5") CARBON / CARBON CLUTCH ASSEMBLY INCLUDING AN OPTIONAL CUSHION PRESSURE PLATE SYSTEM (CPS)



HUB PART No. SPLINE CP5143-104S 1.16" x 26 CP5143-153S 1.25" x 29

HUBS ARE AVAILABLE WITH OTHER SPLINE SIZES. CONTACT AP RACING FOR DETAILS.

FOR HUB ENVELOPE SEE SHEET 2.

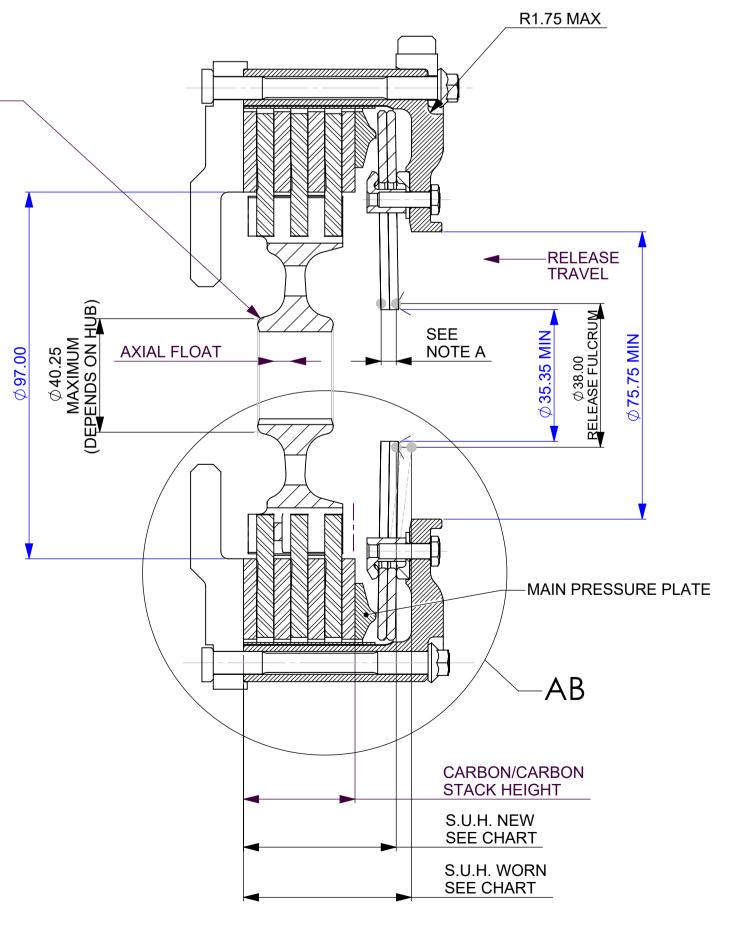


BEARING POSITION

TO ENSURE ADEQUATE RELEASE TRAVEL AND CLUTCH LIFE THESE LIMITS HAVE BEEN CALCULATED USING AN ADDITIONAL 20% RELEASE TRAVEL AND 50% MORE WEAR IN THAN SPECIFIED. (CALCULATED FROM THE FRICTION FACE.)

THESE FIGURES COVER THE FULL RANGE OF CLUTCHES IN THE CP6913 FAMILY.

DETAIL AB



NOTE A RELEASE TRAVEL TO BE LIMITED TO 4.0mm MAX.

SEE SHEET 2 FOR VIEW OF STEEL COVER VERSION

CP6913 CLUTCH FAMILY

44.65

CAPACITY (Nm) 1333 982 (ft.lb) RELEASE LOAD Max. Peak Worn (N) 8875 Max. Peak New (N) 6850 WEAR IN (See Note) 1.25 40.95 Set Up Height New 40.00

2.899 Release Ratio PERFORMANCE CM CE OM GH SUFFIX

For Reference ORA Diaphragm Spring Rate CRV ORA GRY CRV Clutch Ratio EHR MHR EHR HiR MHR

MATERIAL SUFFIX	COVER MATERIAL	PRESSURE PLATE MATERIAL	CARBON / CARBON TYPE	-
01	ALUMINIUM	STEEL	STANDARD DUTY	
02	ALUMINIUM	STEEL	HEAVY DUTY	
03	STEEL	STEEL	HEAVY DUTY	-
05	TITANIUM	STEEL	HEAVY DUTY	-

FLYWHEEL TYPE SUFFIX COMMENTS STANDARD FLAT FLYWHEEL FOR INSTALLATION DATA SEE SH FOR INSTALLATION DATA SEE SHE FLAT FLYWHEEL WITH CPS AND FLYWHEEL DETAILS SEE SHI

WEAR IN

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

AXIAL HUB FLOAT MUST BE MAINTAINED

MAXIMUM DYNAMIC TORQUE

Set Up Height Worn

(Set Up Height is caluclated from the flywheel friction face.)

	CM & OM	CE & OE	GH & OH
STANDARD KIT 0.50 - 4.50 IN 0.50 STEPS (PRESSURE PLATES)			CP6514-4SS
INTERMEDIATE KIT 0.25 - 4.75 IN 0.50 STEPS (PRESSURE PLATES)			CP6514-5SS
STANDARD KIT 0.50 - 4.50 IN 0.50 STEPS (FULCRUM RINGS)			CP6913-7
INTERMEDIATE KIT 0.25 - 4.75 IN 0.50 STEPS (FULCRUM RINGS)			CP6913-8

		COMPLETE ASSY	COMPLETE ASSY		
	CLUTCH ASSY PART No.	WEIGHT	INERTIA	DRIVE PLATES AND	
		(EXCL. STARTER	(EXCL. STARTER	HUB INERTIA	
		RING)	RING)		
	CP6913-OH02-FN	2.275 Kg	0.00756 Kg.m ²	0.001214 Kg.m ²	
	CP6913-OH03-FN	2.810 Kg	0.01020 Kg.m ²	0.001214 Kg.m ²	
	CP6913-OH05-FN	2.595 Kg	0.00901 Kg.m ²	0.001214 Kg.m ²	
	CP6913-GH02-FN	2.295 Kg	0.00796 Kg.m ²	0.001214 Kg.m ²	
	CP6913-GH03-FN	2.830 Kg	0.00836 Kg.m ²	0.001214Kg.m ²	
	CP6913-OH02-FP	2.320 Kg	0.007677 Kg.m ²	0.00132 Kg.m ²	
	CP6913-GH02-FP	2.320 Kg	0.007677 Kg.m ²	0.00132 Kg.m ²	i

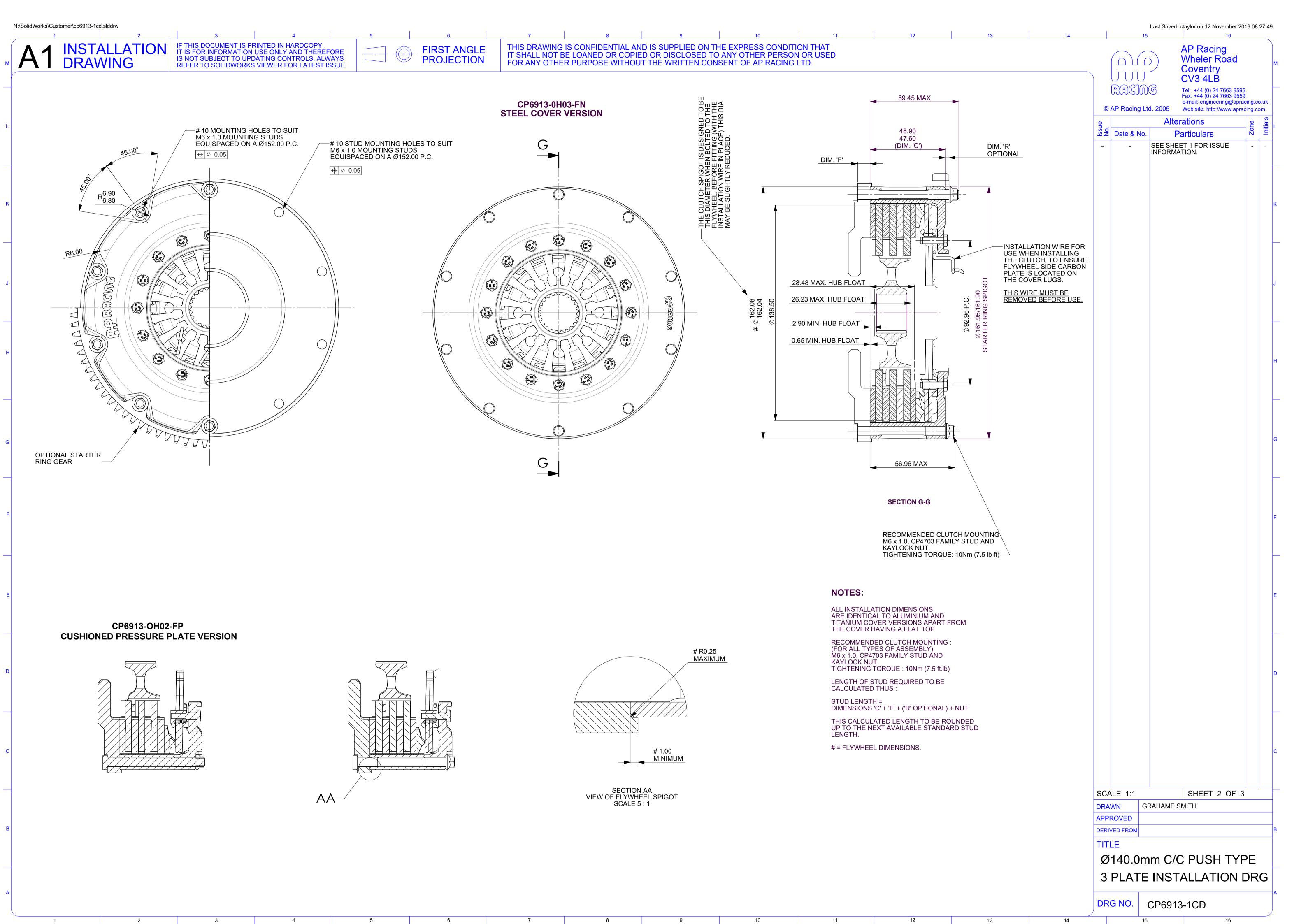
AP Racing Wheler Road Coventry CV3 4LB

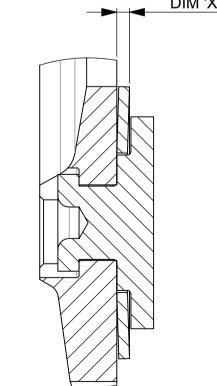
	CV3 4LB				
		Tel: +44 (0) 24 7663 9595			
		Fax: +44 (0) 24 7663 9559 e-mail: engineering@apracii		ing.co	o.uk
	©	AP Racing Lto	d. 2005 Web site: http://www.aprac	ing.co	
1142	Issue No.		Alterations	Zone	Initials
842	N S	Date & No.	Particulars	Z	므
	1	31/01/01 C1793	FIRST ISSUE	#	GS
7800 5800	2	28/02/01	COVER CHANGED ON DRAWING. TO INCLUDE STARTER SCALLOPS. RELEASE FULC. DIA. CHANGED FROM Ø39.0 TO Ø38.0	E9	GS
1.25	3	07/03/01	OPTIONAL STARTER RING ADDED TO DRG. WEIGHT & INERTIA FIGURES UPDATED.	#	GS
40.75	4	11/11/02 C1903	ASSEMBLY NUMBER WAS CP6913TACRV.	#	JG
39.80	5	05/02/03	STARTER RING LOCATION INFORMATION ADDED.	D2 D9	JG
44.45	6	04/06/04	161.95/161.90 WAS 161.95 MAX. CP691-OH02-FN Ti COVER VERSION	F10 #	GS
		C2455	ADDED TO DRAWING.		
2.899	7	15/12/04 C2576	STEEL VERSION ADDED. R6.90/6.80 WAS R6.30/6.20	D1	RDG
	8	02/11/05	'HUB FLOAT' ADDED TO DIMN'S: 28.48 MAX, 26.23 MAX, 0.65 MIN, 2.90 MIN Ø34.25 WAS Ø30.25	F6 E6	GS
ОН	9	07/11/05 RAC21284	TORQUE CAPACITY: OH - 1142 WAS 1042.	#	JG
	10	04/01/06 C2811	CP6913-GH02-FN ADDED.	#	JG
	11	16/01/06	GH VERSION: INERTIA CORRECTION.	#	JG
ORA	12	10/08/06 C2811	DRAWING LAYOUT UPDATED TO INCLUDE CP6913-OH02-FC DETAILS	#	JAS
HiR	13	31/10/07	(PREVIOUSLY ON DRAWING CP6913-2CD). SIZE WAS A2, SHEET 3 ADDED.	#	JG
ARBON	13	C3255	GH: 8875 WAS 880, 6800 WAS 680 OH: 8150 WAS 740, 5000 WAS 350	#	36
	14	02/12/08 C3539	WEIGHT AND INERTIA FIGURES ADDED FOR 'GH03' OPTION	#	JG
DUTY UTY	15	16/07/09	TIGHTENING TORQUE ADDED TO MOUNTING STUDS (SHEET 2)	#	JG
UTY	16	18/11/09 C3765	RELEASE LOADS CORRECTED SEE ISSUE 13	#	JG
	17	11/02/11	'SS' ADDED TO CP6514-4 AND -5 PRESSURE PLATE KITS	#	JG
UTY	18	19/06/17	SUFFIX 'FC' REPLACED WITH	F12	WJB
			'FP' IN DRAWING TABLE. CLUTCH ASSY PN UPDATED.	B11	
	19	11/01/18 C5217_01	HUB CP5143-153S ADDED MAX HUB BOSS Ø40.25 WAS Ø34.25	G3 E4	ВЈР
HEET 2	20	15/08/18 C5282	CP6913-OH02-FP SECTION ADDED (SHEET 2)	C2	OSM
IEET 2 IEET 3	21	11/11/19	INTERMEDIATE PRESSURE PLATE	D11	CGT
ILL I 3		RAC23360	KIT RANGE WAS 0.25 - 4.25 INTERMEDIATE FULCRUM RING KIT RANGE WAS 0.25 - 4.25	E11	
H					
488					
588					
3-7					
3-8					
ES AND RTIA					
Kg.m²	SCA	ALE 1:1	SHEET 1 OF 3		
Kg.m²	DRA		RAHAME SMITH		
Kg.m²	APPI	ROVED			
(g.m²	DERI	VED FROM			
(g.m²	ТТТ	l F			

TITLE Ø140.0mm C/C PUSH TYPE

3 PLATE INSTALLATION DRG

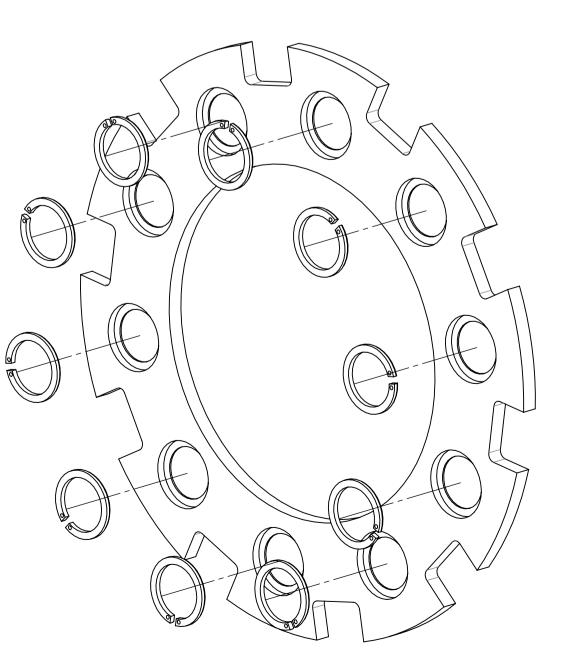
DRG NO. CP6913-1CD





WITH TIME AND USE THE CUSHIONING EFFECT WILL DETERIORATE AND COMPONENTS SHOULD BE SERVICED WITH THE ABOVE KIT WHEN EITHER THE BELLEVILLES BECOME LOOSE OR WHEN DIMENSION 'X' FALLS BELOW 1.00, TAKEN AS THE AVERAGE OF 4 EQUALLY SPACED MEASUREMENTS AROUND THE CIRCUMFERENCE OF THE BELLEVILLE.

THIS TYPE OF ASSEMBLY IS SUPPLIED COMPLETE FROM AP RACING. SERVICE IS LIMITED TO THE FITMENT OF FULCRUM RING SHIMS TO COMPENSATE FOR CLUTCH WEAR.



SCALE 1:1 SHEET 3 OF 3

DRAWN GRAHAME SMITH

APPROVED

DERIVED FROM TITLE

Ø140.0mm C/C PUSH TYPE

3 PLATE INSTALLATION DRG

DRG NO. CP6913-1CD