

A2 INSTALLATION DRAWING

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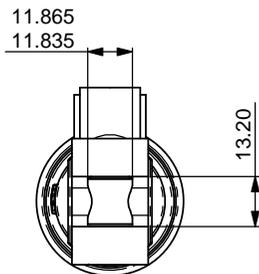
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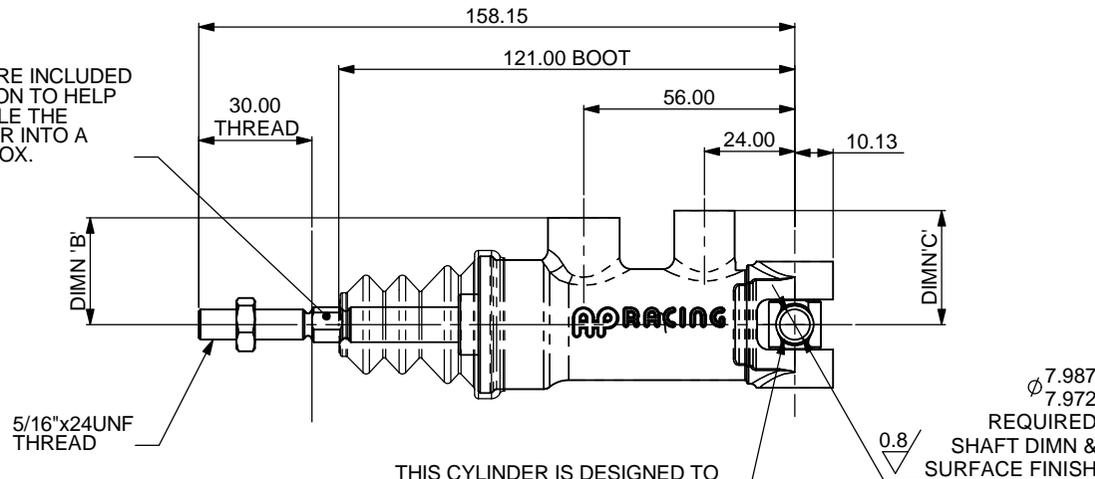
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Web site: <http://www.ap racing.com>

REPAIR KIT INFORMATION ON SHEET 2.



FLATS ARE INCLUDED ON PISTON TO HELP ASSEMBLE THE CYLINDER INTO A PEDAL BOX.



THIS CYLINDER IS DESIGNED TO FIT DIRECT TO OUR RANGE OF BALANCE BAR ASSEMBLIES.

RUBBER BOOT IS INCLUDED FOR DEBRIS PROTECTION. BOOT INCLUDED, AND SPARES ARE AVAILABLE, CP5854-104.

EACH PART WILL BE LASER MARKED WITH SIZE, PART No. AND SERIAL No.

GENERAL DESCRIPTION

A HIGH EFFICIENCY SINGLE CIRCUIT STRUT TYPE MASTER CYLINDER, FEATURING A CLEVIS MOUNTING ENABLING IT TO FIT DIRECTLY TO AP RACING HIGH EFFICIENCY BALANCE BARS. SIZES RANGING FROM 14.0mm TO 7/8 inch WITH 30.0mm STROKE, AND 15/16 inch TO 1 inch WITH 28.0mm STROKE. ALSO INCLUDES A RUBBER BOOT TO PROTECT THE CYLINDER FROM DUST AND DEBRIS.

NOTE:

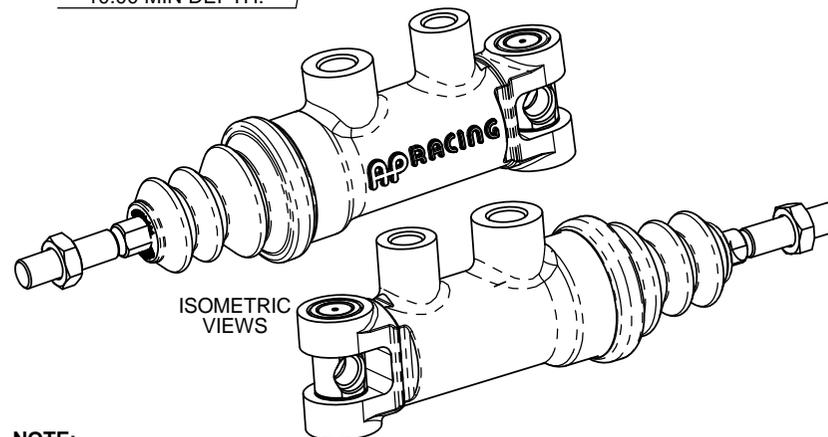
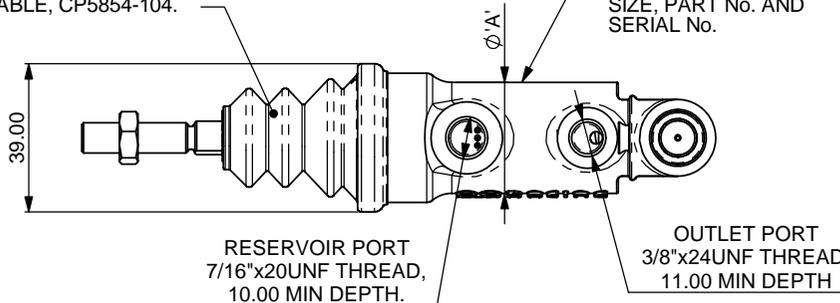
TO ACHIEVE THE BEST POSSIBLE PEDAL, IT IS IMPORTANT TO ENSURE ALL TRAPPED AIR IS REMOVED. CYLINDERS ARE SHIMMED DURING ASSEMBLY TO GIVE THE OPTIMUM CUT-OFF TRAVEL. AS A RESULT, PUSH RODS & SHIMS MUST NOT BE EXCHANGED BETWEEN CYLINDER REPLACEMENT. SEAL KITS ARE AS LISTED BELOW.

TECHNICAL DATA:

BODY MATERIAL -	ALUMINIUM ALLOY
TRAVEL TO CUT-OFF -	0.48 TO 0.63 (0.019" - 0.025")
HYDRAULIC THREADS -	INLET 7/16"x20UNF OUTLET 3/8"x24UNF
TYPICAL WEIGHT RANGE -	APPROX 190-220g DEPENDING ON BORE SIZE.

AVAILABLE SIZES

PART No.	BORE SIZE	STROKE	DIAM 'A'	DIMN 'B'	DIMN 'C'	REPAIR KIT
CP7854-88PRTE	14.0mm (0.55")	30.00	22.92	25.10	27.00	CP7855-88RK
CP7854-89PRTE	15.0mm (0.59")	30.00	22.92	25.10	27.00	CP7855-89RK
CP7854-90PRTE	15.8mm (5/8")	30.00	22.92	25.10	27.00	CP7855-90RK
CP7854-905PRTE	16.8mm (0.66")	30.00	22.92	25.10	27.00	CP7855-905RK
CP7854-91PRTE	17.8mm (0.70")	30.00	22.92	25.10	27.00	CP7855-91RK
CP7854-92PRTE	19.1mm (3/4")	30.00	22.92	25.10	27.00	CP7855-92RK
CP7854-93PRTE	20.6mm (13/16")	30.00	29.25	28.10	30.00	CP7855-93RK
CP7854-94PRTE	22.2mm (7/8")	30.00	29.25	28.10	30.00	CP7855-94RK
CP7854-95PRTE	23.8mm (15/16")	28.00	29.25	28.10	30.00	CP7855-95RK
CP7854-96PRTE	25.4mm (1")	28.00	29.25	28.10	30.00	CP7855-96RK



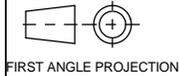
NOTE:- AN OPTIONAL TRAVEL SENSOR KIT TO SUIT THIS CYLINDER IS AVAILABLE UNDER THE PART No. CP5854-10. FOR INSTALLATION DATA SEE DRAWING CP5854-10CD.

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	18/11/08 B5253	FIRST ISSUE	#	DRA
2	18/02/09 B5253	CHARTS FULLY POPULATED WITH PART NUMBERS	#	DRA
3	10/03/2011	DIMN 'B' & 'C' ADDED.	#	CDA
4	02/01/14 B6970	REPAIR KIT DETAILS UPDATED WITH D SECTION PISTON SEAL	SH2 SG	SAT
5	30/07/15 B7361	TYPICAL WEIGHT RANGE CORRECTED WAS 280-293g	C3	DW

SCALE 1:1	SHEET 1 OF 2
DRAWN D.ARROWSMITH	APPROVED
DERIVED FROM	
TITLE SHORT PUSH TYPE MASTER CYLINDER	
DRG NO.	CP7854-1CD

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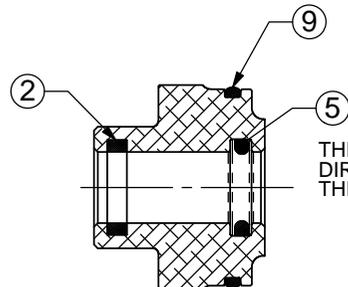
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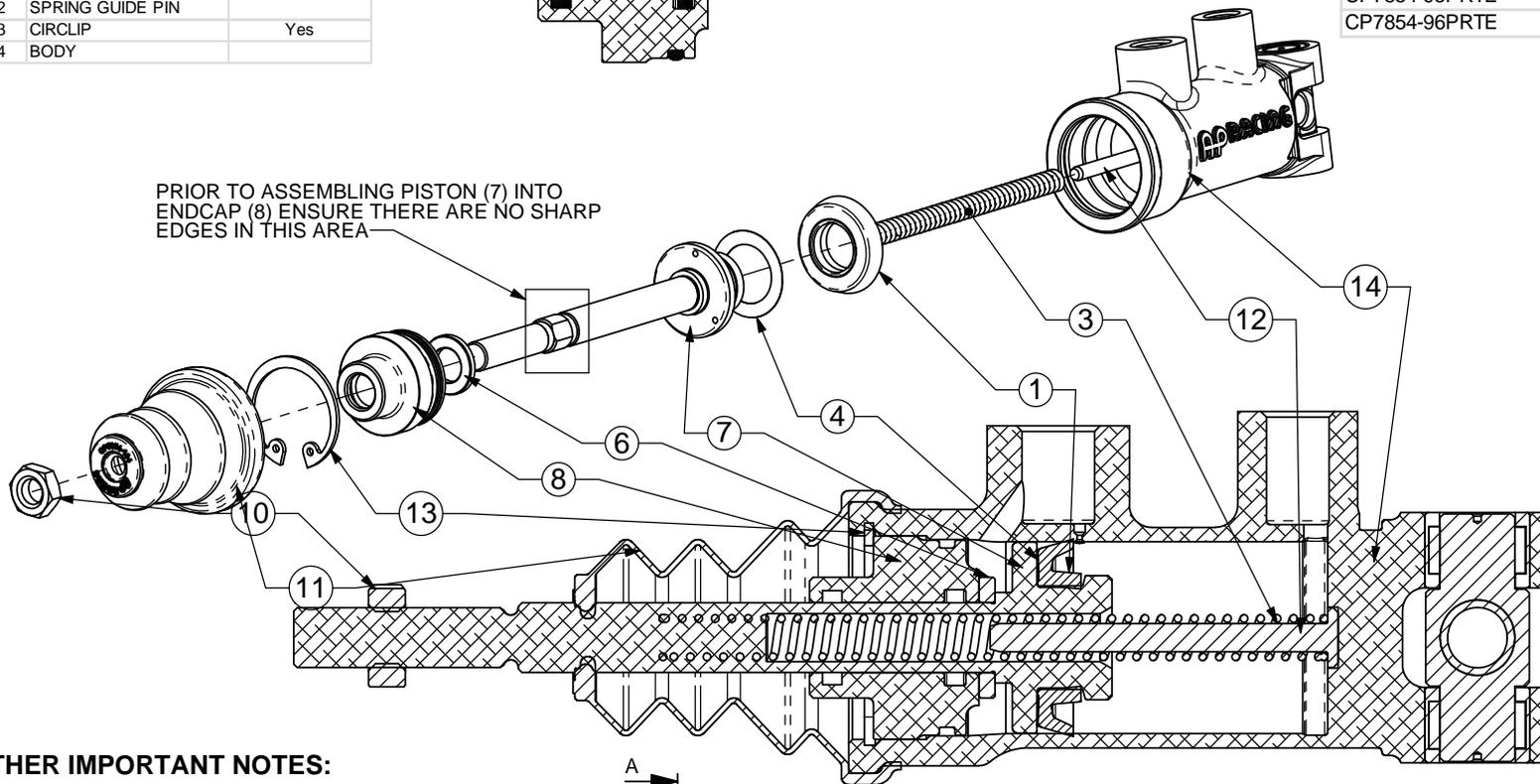
Web site: <http://www.apracing.com>

REF	DESCRIPTION	INCLUDED WITH REPAIR KIT
1	PRIMARY SEAL	Yes
2	SLYDRING BEARING	Yes
3	M/CYL RETURN SPRING	
4	PISTON WASHER	Yes
5	D-RING PISTON SEAL	Yes
6	CUT-OFF SHIM	
7	PISTON	
8	ENDCAP	
9	O-RING CAP SEAL	Yes
10	LOCK NUT 5/16"UNF	
11	BOOT	Yes
12	SPRING GUIDE PIN	
13	CIRCLIP	Yes
14	BODY	

MASTER CYLINDER PART NUMBER	REPAIR KIT
CP7854-88PRTE	CP7855-88RK
CP7854-89PRTE	CP7855-89RK
CP7854-90PRTE	CP7855-90RK
CP7854-905PRTE	CP7855-905RK
CP7854-91PRTE	CP7855-91RK
CP7854-92PRTE	CP7855-92RK
CP7854-93PRTE	CP7855-93RK
CP7854-94PRTE	CP7855-94RK
CP7854-95PRTE	CP7855-95RK
CP7854-96PRTE	CP7855-96RK

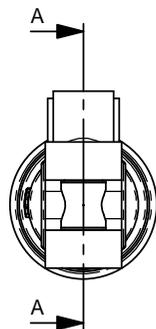


THE D SECTION SEAL IS A DIRECT REPLACEMENT FOR THE ORIGINAL O/RING SEAL

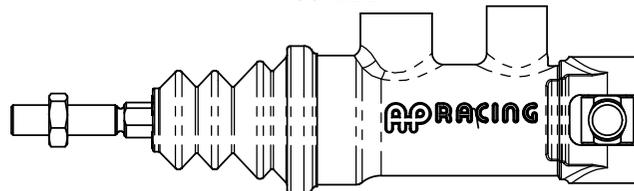


OTHER IMPORTANT NOTES:

- ENSURE BORE IS FREE FROM DEBRIS.
- LUBRICATE SEALS AND BORE WITH BRAKE FLUID PRIOR TO ASSEMBLY.
- CARE MUST BE TAKEN WHEN ASSEMBLING SEALS AS DAMAGE MAYBE CAUSED.
- THE CHANGING OF INTERNAL COMPONENTS OF THE MASTER CYLINDER IN RARE CASES, MAY ALTER THE DISTANCE TO CUT-OFF. IF YOU ARE UNABLE TO BLEED THE CYLINDER AFTER A SEAL CHANGE, PLEASE CONSULT AP RACING. ALSO ENSURE THAT ANY PARTS THAT HAVE BEEN DISASSEMBLED ARE KEPT WITH THE RIGHT CYLINDER AND ARE NOT MIXED.



SECTION A-A
SCALE 2 : 1



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

SCALE 1:1	SHEET 2 OF 2
DRAWN	D.ARROWSMITH
APPROVED	
DERIVED FROM	
TITLE	
SHORT PUSH TYPE	
MASTER CYLINDER	
DRG NO.	CP7854-1CD