A2 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

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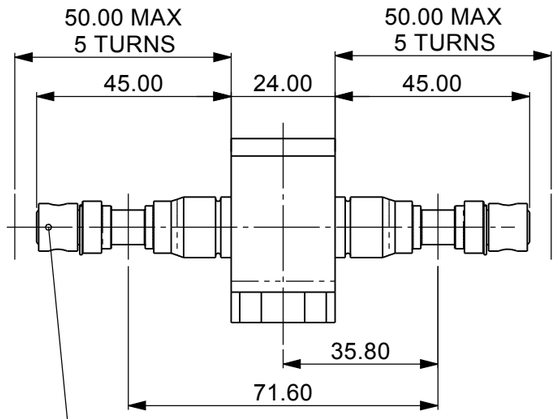
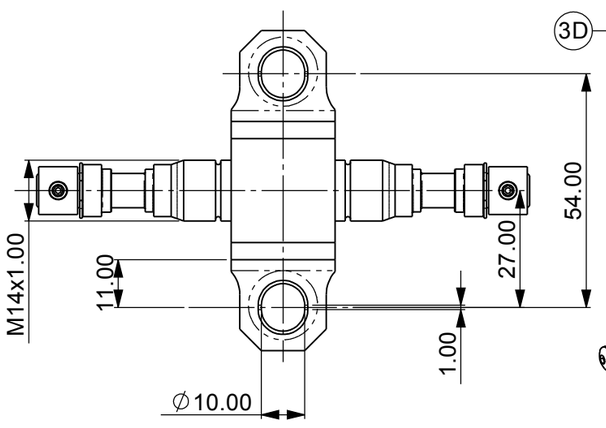
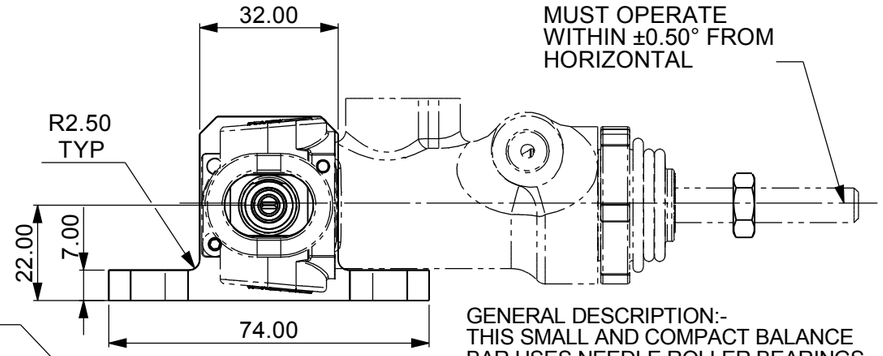
Issue No.	Alterations: Date & No.	Alterations: Particulars	Zone	Initials
1	28/10/04 B4103	FIRST ISSUE		JH
2	30/11/04 B4096	BOOT NUMBERS CORRECTED		CDA
3	14/02/05 B4169	SPARE PARTS CHART REPLACES SEPARATE ITEMS LIST. ASSEMBLY NOTES AND EXPLODED VIEW BALLOON NUMBERS MODIFIED TO SUIT. CORRECTION: 50.0 MAX WAS 49.5	H1	DRA
4	09/10/2008	BALANCE BAR AND EXTRAS UPDATED.		CDA

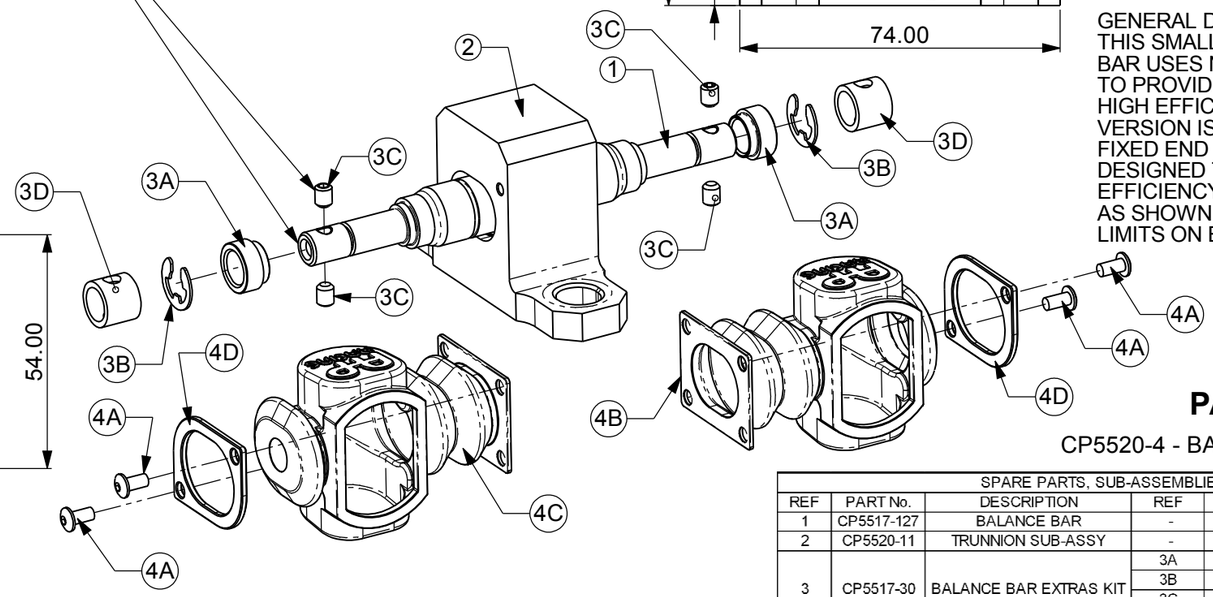




Ø4 HOLE FOR CABLE ADJUSTOR.
2 OFF M4x0.70 GRUB SCREWS TO RETAIN CABLE (INCLUDED).

AP RACING CABLE ADJUSTER - CP2905-18
STEPPER MOTOR KIT - CP5500-14
AVAILABLE FROM AP RACING



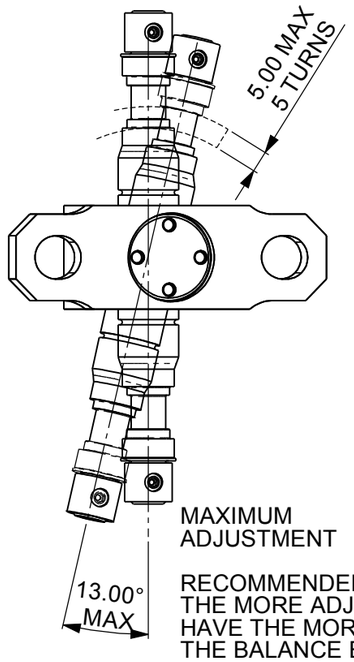


GENERAL DESCRIPTION:-
THIS SMALL AND COMPACT BALANCE BAR USES NEEDLE ROLLER BEARINGS, TO PROVIDE LOW HYSTERESIS AND HIGH EFFICIENCY. THIS SPECIFIC VERSION IS DESIGNED TO FIT AT THE FIXED END OF AN ARRANGMENT AND DESIGNED TO WORK WITH OUR HIGH EFFICIENCY CP6465 MASTER CYLINDERS, AS SHOWN. SEE OUR RECOMMENDED LIMITS ON BALANCE BAR ADJUSTMENT.

PART NUMBERS

CP5520-4 - BALANCE BAR AS SHOWN.

SPARE PARTS, SUB-ASSEMBLIES OR KITS					
REF	PART No.	DESCRIPTION	REF	DESCRIPTION	QTY
1	CP5517-127	BALANCE BAR	-	-	1
2	CP5520-11	TRUNNION SUB-ASSY	-	-	1
3	CP5517-30	BALANCE BAR EXTRAS KIT	3A	BALANCE BAR SPACER	2
			3B	CIRCLIP	2
			3C	M4 GRUB SCREW	4
			3D	SLEEVE	2
4	CP5516-20	BALANCE BAR BOOT KIT	4A	M3 SCREW	4
			4B	RUBBER BOOT	1
			4C	RUBBER BOOT (WITH HOLE)	1
			4D	CLAMP PLATE	2



MAXIMUM ADJUSTMENT

RECOMMENDED ADJUSTMENT, THE MORE ADJUSTMENT YOU HAVE THE MORE INIFFICIENT THE BALANCE BAR BECOMES.

BALANCE BAR ASSEMBLY INSTALLATION

A. FITTING THE BALANCE BAR.

PLEASE MAKE SURE THE CYLINDER ANGLE IS CORRECT TO THE BALANCE BAR, OTHERWISE IT WILL FAIL TO OPERATE PROPERLY. THIS MEANS THE BALANCE HAS TO BE FITTED AT THE FIXED END.

B. FITTING THE MASTER CYLINDER CLEVIS TO THE BALANCE BAR

1. INSTALL BALANCE BAR (1) INSIDE THE CENTRAL TRUNNION SUB-ASSY (2)

2. PLACE MASTER CYLINDER CLEVIS ON TO BALANCE BAR (1).

3. PUSH THE WASHER (3A) ON THE BALANCE BAR (1).

4. PUSH CIRCLIP (3B) INTO PLACE ON BALANCE BAR (1) TO HOLD MASTER CYLINDER CLEVIS IN PLACE. CYLINDER SHOULD BE ABLE TO ROATE ON THE BALANCE BAR.

C. SETTING UP THE BALANCE BAR

1. INSTALL REMOTE CABLE AND RETAINING SCREWS (3C)

2. ADJUST THE CYLINDER PULLRODS SO THAT THEY ARE PERPENDICULAR TO THE BALANCE BAR UNDER MAXIMUM LOAD. IT IS MORE EFFICIENT WHEN PERPENDICULAR. IT IS NOT IMPORTANT TO BE PERPENDICULAR WHEN RELEASED.

FOR MAXIMUM EFFICIENCY, IT IS RECOMMENDED THAT THE PEDAL IS AT RIGHT ANGLE WITH THE PUSHRODS UNDER MAXIMUM BRAKING LOAD; AND ALSO KEEPING THE BALANCE BAR CENTRAL WITH BETTER SELECTION OF MASTER CYLINDER SIZES HELPS REDUCE INEFFICIENCIES.

ALSO MAKE SURE THAT THE MASTER-CYLINDER PISTONS FULLY RETURN BEFORE USE.

SCALE 1:1	SHEET 1 OF 1
DRAWN	jheritage
APPROVED	
DERIVED FROM	

TITLE
HIGH EFFICIENCY BALANCE BAR INSTALLATION DRAWING

DRG NO. cp5520-4cd