cp5500-4cd

A2 INSTALLATION DRAWING

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FIRST ANGLE PROJECTION

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Issue No.	Alterations Date & No.	Particulars	Zone	Initials
3	21/05/01 B3068			GM
4	05/09/02 B3425	5/16" UNF OPTION ADDED	#	DRA
5	25/11/02	35.0 AND 25.4 DIMN'S ADDED	#	DRA
6	01/05/03 RAC20366	DIM 23.018/23.004 WAS 22.806/22.793 DIM 28.05/28.00 WAS 27.79/27.74	B8 B10	GM

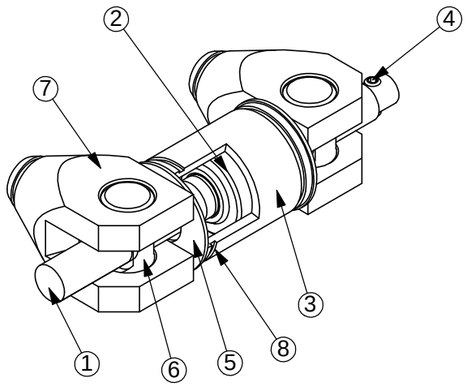


FIGURE 1: BALANCE BAR ASSEMBLY

BALANCE BAR ASSEMBLY PART No'S
CP5500-4
CP5500-4UNF

BILL OF MATERIAL:

1. BALANCE BAR
2. SPHERICAL BEARING
3. SLEEVE
4. CABLE SCREWS
5. WASHERS
6. BARREL NUT
7. CLEVIS
8. CIRCLIPS GROOVES

BALANCE BAR THREAD IS M10x1.00

FIGURE 2: RECOMMENDED HOUSING DIMENSIONS

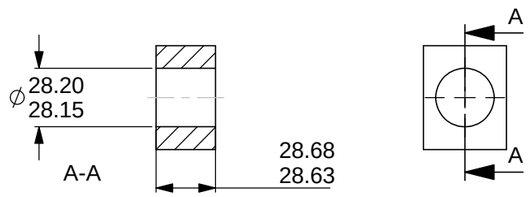
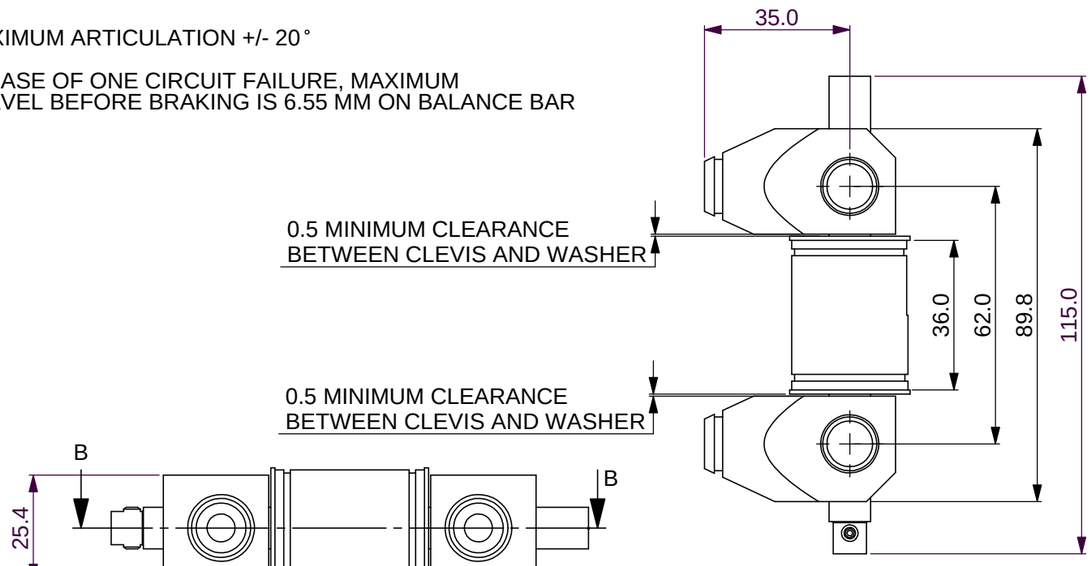
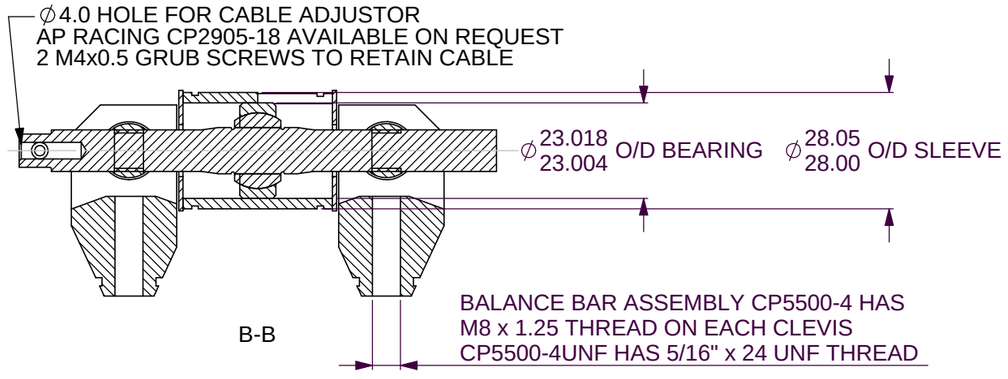


FIGURE 3: MAIN DIMENSIONS

MAXIMUM ARTICULATION +/- 20°

IN CASE OF ONE CIRCUIT FAILURE, MAXIMUM TRAVEL BEFORE BRAKING IS 6.55 MM ON BALANCE BAR





BALANCE BAR ASSEMBLY INSTALLATION

A. SLEEVE

1. MAKE A HOLE IN THE PEDAL OF THE RECOMMENDED DIMENSIONS (FIG.2). THE CENTER HAS TO BE AT THE SAME HEIGHT AS THE MASTER-CYLINDER CENTERLINE WHEN PEDAL IS SQUARE TO THE MASTER-CYLINDER.

2. POSITION THE SLEEVE IN THE PEDAL AND PUT CIRCLIPS IN POSITION. IT IS RECOMMENDED THAT THE SLEEVE IS BONDED INTO THE HOUSING TO MINIMIZE THE PLAY OF THE BALANCE BAR.

B. BALANCE BAR INSTALLATION

1. GREASE THE HOUSING INSIDE DIAMETER (3) AND THE SPHERICAL BEARING (2).

2. INSTALL BALANCE BAR (1) INSIDE THE SLEEVE (3)

3. PUSH THE WASHERS (5) AGAINST THE SLEEVE (3)

4. SCREW THE BARREL NUTS (6) AND THE CLEVIS (7) ON THE BALANCE BAR (1). LEAVE ONE TURN MINIMUM CLEARANCE BETWEEN THE CLEVIS (7) AND THE WASHERS (5).

5. INSTALL REMOTE CABLE AND RETAINING SCREWS (4)

6. INSTALL M8 NUTS PROVIDED ON MASTER-CYLINDER PUSHRODS

7. ADJUST THE PUSHRODS SO THAT THE BALANCE BAR IS PERPENDICULAR TO THE PUSHRODS UNDER MAXIMUM LOAD. THE SYSTEM IS THEN SQUARE. IT IS NOT IMPORTANT THAT THE SYSTEM IS SQUARE WHEN RELEASED, BUT IT HAS TO BE UNDER LOAD.

   FOR MAXIMUM EFFICIENCY, IT IS RECOMMENDED THAT THE PEDAL IS AT RIGHT ANGLE WITH THE PUSHRODS UNDER MAXIMUM BRAKING LOAD.

   ALSO MAKE SURE THAT THE MASTER-CYLINDER PISTONS FULLY RETURN BEFORE USE. THIS CAN BE CHECKED BY FEELING THE PUSHRODS FOR SLIGHT MOVEMENTS THERE SHOULD NOT BE ANY EXCESSIVE LOOSE MOVEMENT.

   THE WASHERS (5) SHOULD BE LOOSE DURING THE FULL PEDAL TRAVEL. IF NOT, BACK OFF ONE CLEVIS AND BARREL NUT ANOTHER TURN.

SCALE 1:1	SHEET 1 OF 1
DRAWN	Gael Mace
APPROVED	
DERIVED FROM	

TITLE
BALANCE BAR ASSEMBLY

DRG NO. cp5500-4cd