INSTALLATION DRAWING

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14.00

M14 x 1.5



5.80

ADAPTOR: - CP3985-144

M14 TO JIC 6 (9/16" UNF)

MATERIAL: ALUMINIUM

14.00

19 A/FLATS

9/16" x 18UNF

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PART NUMBERING:

"CP3985" DENOTES STANDARD AIRJACK FAMILY or "CP3945" DENOTES HEAVY DUTY AIRJACK FAMILY "-XXX" DENOTES THE STROKE OF THE AIRJACK "EV" DENOTES OPTIONAL EXHAUST VALVE

MAINTENANCE

DO NOT USE PETROL OR PARAFFIN FOR CLEANING THE AIR JACK AS THIS WILL DAMAGE THE RUBBER SEALS. USE AN ALCOHOL BASED CLEANING FLUID i.e. METHYLATED SPIRIT. FOR INTERNAL LUBRICATION USE ONLY SILICONE SPRAY OR SILICONE GREASE AS REQUIRED.

> **INLET ADAPTORS AND COPPER GASKETS AVAILABLE AS SEPARATE ITEMS**

LOADS

MAXIMUM LIFT CAPABILITY MAXIMUM OPERATING PRESSURE

ADAPTOR :- CP3985-145

M14 TO JIC 8 (3/4" UNF)

MATERIAL : ALUMINIUM

5.80

14.00

 $M14 \times 1.5$

- 675 Kg - 30.0 BAR

16.00

22.2 A/FLATS

3/4" x 16UNF

END DETAIL OF AIRJACK

eg PART No, CP3985-150

WITHOUT EXHAUST VALVE

						. '
	ASSEMBLY PART No.	STROKE	DIMN 'A'	DIMN 'B'	DIMN 'C'	MASS
STD	CP3985-150	150 mm	224 mm	80 mm	80 mm	0.83 Kg
	CP3985-150EV	150 mm	224 mm	80 mm	80 mm	0.88kg
	CP3985-230	230 mm	325 mm	80 mm	80 mm	1.07 Kg
	CP3985-230EV	230 mm	325 mm	80 mm	80 mm	1.12 kg
	CP3985-310	310 mm	425 mm	80 mm	80 mm	1.34 Kg
	CP3985-310EV	310 mm	425 mm	80 mm	80 mm	1.39 Kg
HEAVY	CP3945-230	230 mm	325 mm	80 mm	80 mm	1.28 Kg
DUTY	CP3945-230EV	230 mm	325 mm	80 mm	80 mm	1.33 kg
	CP3945-310	310 mm	425 mm	80 mm	80 mm	1.60 Kg
	CP3945-310EV	310 mm	425 mm	80 mm	80 mm	1.65 Kg

TO CONTROL AIR FLOW. -

RACING

11/03/09

SHEET 3 ADDED

04/12/09 CROP VIEW CORRECTED

TO SHEET 1 07/12/2015 CP3945 HD VERSIONS ADDED. B7320

15 05/09/2023 SHEET 2: CP3985-352 WAS CP3985-131

CP3985-310/310EV ADDED.

EV AIRJACKS ADDED

STAINLESS STEEL FOOT VERSION OF BOTH EV AND NON

310 STROKE AIRJACK SPARE LISTS ADDED TO TABLES ON

IDENTIFICATION NOTE ADDED

CP3985-353 WAS CP3985-132

DRA

RLB

1A RLB

CDA

AP Racing Wheler Road Coventry CV3 4LB

Tel: +44 024 7663 9595 Fax: +44 024 7663 9559

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sue	Alterations			Initials	
0.	Date & No.	Zone	Init		
1	25/06/03 B3614	CURRENT ISSUE	#	DRA	
2	10/11/03	-190EV ASSEMBLY ADDED	#	DRA	
3	25/11/03	-110EV ASSEMBLY ADDED DIMN 'C' ADDED	#	DRA	G
4	18/02/04 B3881	-130EV ASSEMBLY ADDED -110EV REMOVED		SAT	
5	26/10/04 B3614	PICTORIAL CHANGES TO SHOW NEW CAP AND THROTTLE. 31.5 WAS 31.0 DIMN 'A' AND MASS IN CHART AMENDED TO LATEST DATA.		DRA	
		-230EV & -310EV ADDED TO CHAR INLET ADAPTORS ADDED.	T.		
6	10/03/05 B4207	EXPLODED VIEW ON SHEET 2 AND SPARE PART No CHART ADDED)	DRA	
7	02/02/06 B4466	ASSY -130EV DIMN 'B' WAS 85 AND DIMN 'C' WAS 50 ASSY'S -150EV TO 230EV.DIMN 'B' AND DIMN 'C' WAS 50 MASSES UP TO -230 WERE IN ORDER:- 0.83, 0.85, 0.97 & 1.09Kg)	DRA	F
8	12/09/06 B4387	SHEET 2 PT No. CHART CAP CP3985-148 WAS -138		DRA	
9	05/03/09 B5422	CP3985-130EV, -190EV & -310EV DELETED NON EV TYPE DATA ADDED.		DRA	

11 INTERNAL THREAD 12 13

INLET PORT

AS SUPPLIED

M14 x 1.5

COPPER GASKET:- KL44523 COPPER GASKET:- KL44523 31.50 STROKE DIMN 'A' DIMN 'B' DIMN 'C' **THREADED THREADED** 5 2 LENGTH LENGTH × 4.50 M62 M62 6.4 75.00 0 10.50 **⊘45.0** -ADJUSTABLE MOUNTING RINGS (2 OFF) 8.0 **COLLAR OVER EXHAUST AIRJACK INCORPORATING AN EXHAUST VALVE** PORTS CAN BE ADJUSTED eg PART No. CP3985-150EV

SHEET 1 OF 3 SCALE 1:1 D.ARROWSMITH **DRAWN APPROVED DERIVED FROM** TITLE Ø54 BORE AIR JACK

SEE EXPLODED VIEW AND SPARE PARTS LIST ON SHEETS 2 & 3

DRG NO. CP3985-1CD 11

Last Saved: Harry.Blanford on 05 September 2023 14:49:12 N:\SolidWorks\Customer\CP3985-1CD.slddrw

A2 INSTALLATION DRAWING

BEARING HOUSING

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(1B) NOTE SEAL ORIENTATION



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AP Racing Wheler Road Coventry CV3 4LB

RACING

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)	Date & No.	Dorticulors	2	1 :			

sue		Пе	nitials	
0.	Date & No.	Particulars	Zo	Init
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	

AIRJACK SERVICING TOOL KIT, PT No. CP4985-20, WITH FULL INSTRUCTIONS, IS AVAILABLE FROM AP RACING.

SPARE PARTS OR KITS FOR ALL EXHAUST VALVE AIRJACKS DESCRIPTION QTY REF **DESCRIPTION** PART No. REF 1A ADAPTOR O-RING SEAL 1B VALVE SEAL 1C CAP O-RING SEAL LARGE BEARING REPAIR KIT CP3985-1RK 1D 1E MAIN O-RING SEAL 1F SMALL BEARING **BUMP STOP O-RING** 1G CP2820-110 MOUNTING RING 2 CP2985-172 INLET ADAPTOR CP3985-139 THROTTLE RING CP7073-121 M4 GRUB SCREW CP3985-148 **END CAP**

	1							
	SPARE PARTS SPECIFIC TO AIRJACK PART NUMBER							
REF	PART NUMBER	CP3985-EV150	CP3985	CP3945	CP3985	CP3945	QTY	
IXLI	PARTNOMBLE	-230EV -310EV				Q I I		
8	FOOT	CP3985-103	CP3985-103	CP3945-103	CP3985-103	CP3945-103	1	
9	BODY	CP3985-101	CP398	85-117	CP3985-118		1	
10	PISTON ASSEMBLY	CP3985-4	CP3985-6	CP3945-6	CP3985-7	CP3945-7	1	
11	RETURN SPRING	SPRING CP3985-107 CP3985-127 CP3985-128		1				
12	SPACER (IF FITTED)	CP3985-143	CP398	85-352	CP398	85-353	1	

CP3985-104

PARTS LIST FOR 'EV' VERSIONS OF AIRJACK

SCAI	_E 1:1		SHEET 2 OF 3		
DRA	WN	D.ARROWS	SMITH		
APPI	ROVED				
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TITI Ø5		RE AIR JA	ACK		Α

CP3985-1CD

DRG NO.

N:\SolidWorks\Customer\CP3985-1CD.slddrw

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A2 INSTALLATION DRAWING

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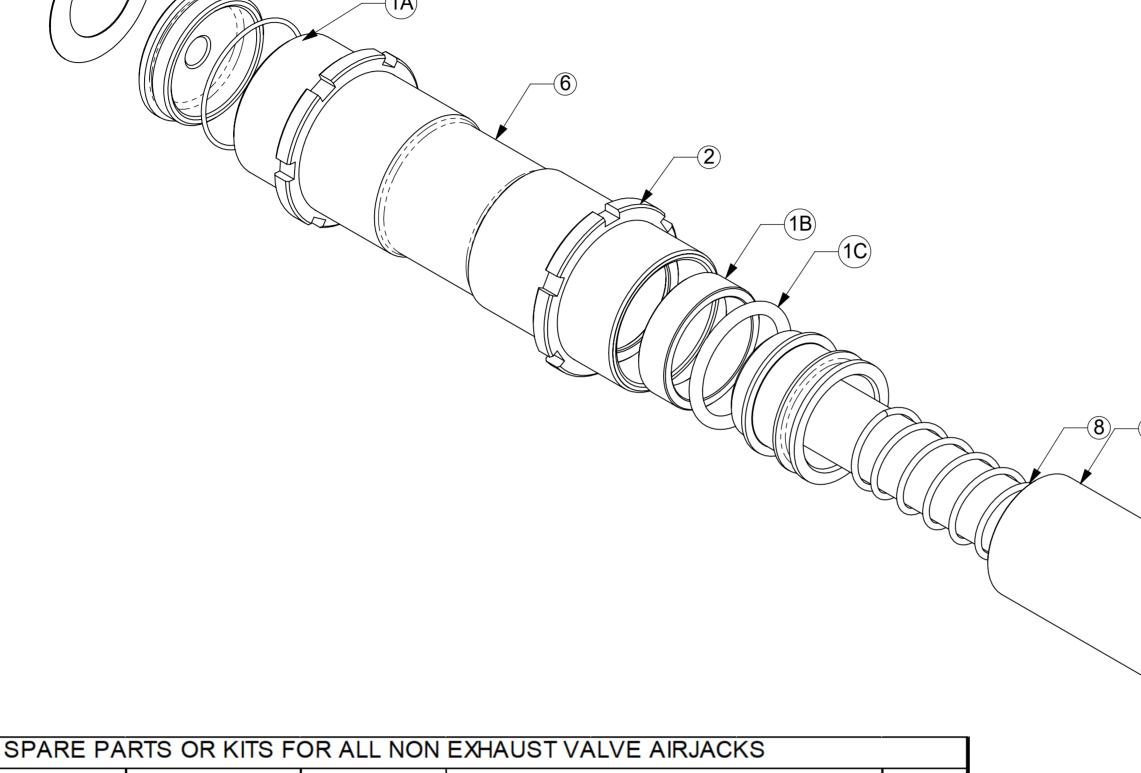


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AP Racing Wheler Road Coventry CV3 4LB

Tel: +44 024 7663 9595
Fax: +44 024 7663 9559
e-mail: sales@apracing.co.uk
Web site:http://www.apracing.com

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	-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-				



SPARE PARIS OR KITS FOR ALL NON EXHAUST VALVE AIRJACKS								
REF	DESCRIPTION	PART No.	ART No. REF DESCRIPTION				QTY	
	REPAIR KIT		1A	CAP O-RING SEAL			1	
		CP3985-11RK	1B	LA	RGE BEARIN	1		
1			1C	MA	IN O-RING SE	1		
			1D	SI	MALL BEARIN	1ALL BEARING		
				BUN	IMP STOP O-RING		1	
2	MOUNTING RING		CP2820-110					
3	END CAP		CP3985-157					
4	BEARING HOUSING		(CP3985-104			1	
	SPA	RE PARTS SPE	CIFIC TO AIR	RJACK PART I	NUMBER			
REF	PART NUMBER	CP3985-150	CP3985	CP3945	CP3985	CP3945	QTY	
IXLI	I AIXI NOWIDLIX	Ci 3303-130	-2	-230		-310		
5	FOOT	CP3985-103	CP3985-103	CP3945-103	CP3985-103	CP3945-103	1	
6	BODY	CP3985-101	CP398	CP3985-117 CP3985-118			1	

PARTS LIST FOR NON 'EV' VERSIONS OF AIRJACK SCALE 1:1 SHEET 3 OF 3

DRAWN D.ARROWSMITH

APPROVED

DERIVED FROM

TITLE

Ø54 BORE AIRJACK

DRG NO.

CP3985-1CD

PISTON ASSEMBLY

RETURN SPRING

8

CP3985-4

CP3985-107

4

CP3985-6

CP3985-127

CP3945-6

.

CP3985-128

CP3945-7

CP3985-7

0

9

11