

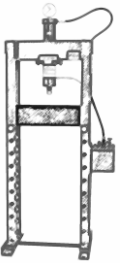
CAM EQUIPMENT

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MANUFACTURES OF QUALITY GARAGE & WORKSHOP EQUIPMENT SINCE 1972



TYRE FITTING & REMOVING

The CE 23 Tyre Changer Has Been Designed For The Workshop That Changes The Occasional Tyre.
 The CE 21 Tyre Changer Will Accommodate Most Types Of Open Centre Wheels.
 The CE 21 Tyre Can Remove And Fit Most Tyres From 10" To 18".
 The TCBB Allows For Breaking Of Beads On Alloy Wheels For Access To The Damaged Area For Repair.



CE 23

NO AIR IS REQUIRED ON THE CE23
 To operate the CE23 Tyre Changer
 Bead Braking and Wheel Clamping is performed manually.
 The Tyre Changer **MUST** be fixed firmly to the floor.
 The CE23 will take most sizes of Open Centre Wheel.



CE 21

The CE21 Tyre Changer Must Be Fixed Firmly To The Floor.
 Three Holes Are Provided At The Base Of The Machine For This Purpose.
 Storage Tube For Tyre Fitting / Removing Bar When Not In Use.
 Bead Breaking Is Achieved By A Very Strong And Efficient Pneumatic Cylinder And Down Stroking Bead Breaker Blade Giving Pressure Of Approx 1.5 Tonnes At 120 Psi.

Both CE21 & 23 Tyre Changer Comes Complete With A Standard Tyre Bar

The TCBB Bead Breaker Is A High Power Unit That Allows For The Breaking Of Beads On Alloy Wheels This Allows Access To Damaged Area Before Repair.
 The Unit Has A Small Foot Print Where Space Is Limited And Can Break Beads On Small And Large Rims.
 It Is Also Easy To Operate.

Tyre Bar Fitted With Nylon Ferrules To Prevent Damage To Aluminium Wheel Rims.
 Suitable For Use With CE21 & 23, Also Compatible With Other Makes Of Manual Tyre Changer.

CE 21 & TCBB SPECIFICATION

Working Height 800 mm
 Floor Area 585 mm X 485 mm
 Connect To Clean Dry Air Line With Oil Lubricator
 Working Pressure 80 To 120 Psi
 Weight 60 Kg



TCBB



CEAB

C.E 23 MANUAL AND C.E 21 SEMI AUTOMATIC TYRE CHANGER.

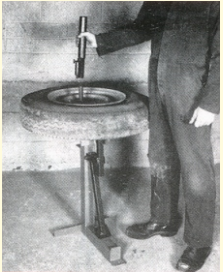


1 BEAD BREAKING C E 23

DEFLATE TYRE
REMOVE ALL WHEEL BALANCE WEIGHTS.
LIFT BEAD BREAKER CLEAR OF THE TYRE CHANGER FOOT.
PLACE WHEEL ON FOOT OF TYRE MACHINE AND POSITION BEAD BREAKER SPADE UNDER THE RIM FLANGE.
LOCATE TYRE FITTING/REMOVING BAR INTO THE BEAD BREAKER TUBE. PULL DOWN FIRMLY AND REPEAT OPERATION UNTIL BEAD IS FREE. REPEAT OPERATION FOR OPPOSITE BEAD.

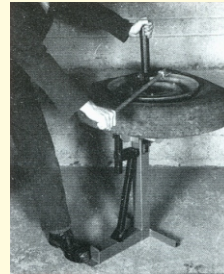


3
INSERT BALL END OF THE TYRE FITTING / REMOVING LEVER BENEATH TOP BEAD. WITH THE FREE HAND FORCE THE OPPOSITE SIDE OF THE TOP BEAD INTO THE WHEEL WELL. LEVERING AGAINST THE WHEEL RETAINING SLEEVE ROLL TYRE BEAD OVER RIM. IF TUBE IS FITTED TIGHTEN LOCKING SCREW AND REMOVE TUBE. REPEAT OPERATION FOR LOWER BEAD.

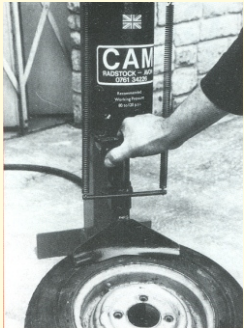


2 TYRE REMOVAL C E 23

LUBRICATE BOTH BEADS OF TYRE WITH APPROVED RUBBER LUBRICANT. REMOVE THE WHEEL RETAINING SLEEVE FROM THE CENTER POST.
PLACE THE WHEEL ASSEMBLY ONTO THE STAND WITH THE NARROW BEAD SEAT UPPERMOST. REPLACE THE WHEEL RETAINING SLEEVE ON THE CENTER POST. INSERTING ITS PEG THROUGH ONE OF THE WHEEL STUD HOLES. TURN WHEEL IN CLOCKWISE DIRECTION ON THE STAND UNTIL IT LOCKS.

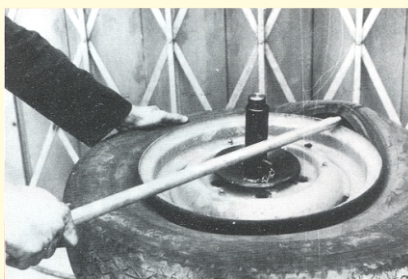


4
APPLY BEAD LUBRICATION TO BOTH BEADS OF TYRE TO BE FITTED
MOUNT AND LOCK WHEEL TO STAND AS FIGURE 2. WITH THE NARROW BEAD SEAT UPPERMOST. PLACE LOWER BEAD OF TYRE OVER WHEEL RIM. WITH TYRE BEAD ON LEDGE OF FITTING HEAD HOLDING THE LOWER BEAD IN THE WHEEL WELL. LEVER AGAINST THE WHEEL RETAINING SLEEVE AND ROTATE THE BEAD OVER THE WHEEL RIM. FIT TUBE IF REQUIRED AND SEAT TOP BEAD IN A SIMILAR MANNER.



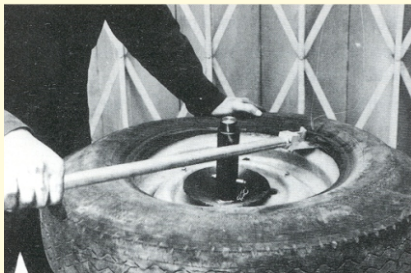
BEAD BREAKING C E 21

DEFLATE TYRE REMOVE ALL WHEEL BALANCE WEIGHTS.
LUBRICATE BOTH BEADS OF TYRE WITH APPROVED RUBBER LUBRICANT.
PLACE WHEEL UNDER BEAD BREAKER. POSITION BEAD BREAKER RAM WITH BEAD BREAKER SPADE UNDER THE RIM FLANGE.
OPERATE AIR VALVE, BREAK BEAD, ROTATE WHEEL AND REPEAT OPERATION FOR OPPOSITE BEAD.



TYRE REMOVAL

PLACE WHEEL CENTRALLY ON RUBBER MAT TO CLAMP THE WHEEL WITH NARROW BEAD UPPERMOST. PLACE THE CONE OVER THE CENTER POST. LOCATE FIXING PIN THROUGH HOLE IN CONE TUBE AND CENTER POST.
MAKING SURE PIN PROTRUDES FROM BOTH SIDES OF THE CONE TUBE.
OPERATE SWITCH LOCATED ON BEAD BREAKER ADJUSTMENT HANDLE
MAKE SURE THE OPERATORS LEGS AND FEET ARE CLEAR OF THE BEAD BREAKER BLADE.
WHEEL IS NOW SECURELY CLAMPED.



TYRE FITTING

LUBRICATE BOTH BEADS OF TYRE AND RIM OF WHEEL.
INSERT FITTING END OF TYRE / REMOVING BAR BETWEEN TYRE BEAD AND WHEEL RIM. MOUNT LOWER BEAD FIRST. REPEAT OPERATION TO FIT TOP BEAD.