

driving rack piston washer screw a37KB6; also washer a37KB5 and leather piston packing 37KB3. Render the leather packing washer quite soft and pliable by working oil and vaseline into it. Spread a film of vaseline over the washer and replace it in its position. When tightening the screw a37KB6 move the piston 37KB2 a little way along the cylinder so as to allow the grease which is squeezed out to be in the path of the piston. Replace the driving cylinder head a36KB7 and tighten it carefully, seeing that the ring pipe a36KB4 and cylinder ring 36KB3 are in their correct positions. (Never tighten a cylinder head unless it has reasonable clearance from the piston, as serious damage may occur if the head is forced against the piston.) Proceed to grease the right-hand leather packing washer in a similar manner, reversing such instructions as become necessary, then replace all parts.

(23) TO REMOVE PUNCHES 32KC1, 32KC2

Turn off air supply. Set tension arm in upward position and lock it with the pin 18KC13 by means of the punch lock knob 18KC11. Withdraw the two paper tower punch guide screws a18KC43, and remove the punch guide (rear) b18KC41 by sliding it downwards until it is clear of the keys incorporated in its construction. One or all of the punches may now be removed by swinging them singly away from their guide b18KC29K, lifting them (with their respective punch bars), and releasing them by moving them towards the left when viewing the machine from the rear.

(24) TO REPLACE PUNCHES 32KC1, 32KC2

Face the rear of the machine. With the aid of suitable pliers, lift the second punch bar a33KC3, counting from the left, and enter the crank of a justification punch 32KC2 into the bearing provided for it in the upper end of the punch bar a33KC3; then swing the punch into its slot in the punch guide b18KC29K. Fit all the regular punches 32KC1 from left to right in a similar manner. Place the remaining justification punch 32KC2 in its proper position. When all the punches are in position fit the paper tower punch guide (rear) b18KC41 over the punches below its normal position, and when seated properly slide it up until its upper edge is flush with the upper edge of the guide b18KC29K. Fix by the screws a18KC43. The punches