

Keyboard Attachment a15KU

Justified Letter Spacing

*Description and Instructions
for Fitting, etc.*

\$ 75.00

THE OBJECT OF THE ATTACHMENT: To provide a keyboard attachment for simplifying the process of increasing the width of the type bodies of characters and normal spaces in Monotype composition by increments of multiples of .0005". In this form of letter spacing a fixed space should be used between words and the "S" perforation must be used in combination with perforations for every character and space (with the exception of the first letter in a line), so that the Space Transfer Wedge on the casting machine may be brought into operation when the characters and spaces are being cast. According to the positions in which the Justification Wedges are adjusted so will the type bodies be increased in thickness, thus causing the characters to be printed with a space between them. No attachment nor any alteration is necessary on the casting machine.

When doing letter-spaced composition the device must be put out of action before the first character of a line is composed, otherwise the first type of the line will print with a space in front of the character. It should be put in action before composing the second character. If a single word is to be letter spaced the device should be brought into operation upon the second letter of the word, so as to maintain even spacing between words.

HOW THE ATTACHMENT WORKS: The attachment Operating Handle a85KC3 is placed on top of the Punch Bar Lever Bracket 34KC22K.

When the Handle is turned to the rear the Keyboard functions normally, causing the 4 unit Unit Rack Stop to rise each time the Justifying Space Key is struck.

When the Handle is turned to the front the 4 unit Unit Rack Stop is thrown out of action whilst the "S" Punch is raised each time a Character or Space Key is struck. This permits every character and space to be registered according to its unit value. (Since the 4 unit Unit Rack Stop is inoperative the Justifying Space is registered as a 6 or 5 unit space).

The Punch Bar Lever a34KC21K engages with the first bar in the Stopbar Case and through it operates the 4 unit Unit Rack Stop.

Each time the Tension Arm a18KC34K is raised, that is when any key is struck, it moves the "O" Punch Bar 33KCSK which operates the Actuating Lever a84KC1K.

The Punch Bar Rocking Lever a86KC1 engages at one end with the "S" Punch Bar and at the other, rocks the Justifying Scale Pointer Operating Lever 17KB9K causing the Pointer to rise and register a space for every key struck.

Then, with the Handle turned to the rear, the "S" Punch is connected by the Pin a34KC23 to the first Bar in the Stopbar Case and the Keyboard functions normally.

The action of turning the Handle to the front causes the Operating Lever a85KC1K, by means of the Crank Pin 85KC2 working in a slot in the Sleeve a34KC24, to move the Connecting Pin a34KC23 out of engagement with the Punch Bar Lever a34KC21K and into engagement with the Actuating Lever a84KC1K thus coupling the "S"

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Punch Bar to the Tension Arm and so permitting every character and space to be registered according to its unit value.

The Justifying Scale Pointer Lifting Pawl (safety) 16KB5K has two teeth which engage with the Rack b14KB3K. After 20 spaces have been registered the Rack has risen to its last notch and is held by the Detent 15KB1K. The second, or lower, tooth on the Pawl now bears against the plain portion at the bottom of the Rack and so prevents the upper tooth engaging the notch on the Rack, thus allowing the Justifying Scale Pointer Operating Lever 17KB1K to move, which is essential to the functioning of this attachment.

To Equip the Following Machines with this Attachment

HOW TO FIT THE ATTACHMENT TO THE MACHINE:
Remove the Bell Bracket complete, Paper Tower Covers a19KC1K, 20KC1 and 20KC2.

Remove 4 Screws 34KC12 and, taking care not to disturb Punch Bars, remove the Punch Bar Lever group Xa34KC.

Remove from group Xa34KC Punch Bar Lever and Liners and place all except 34KC2, which is replaced by a34KC21K, in similar positions in Punch Bar Lever Bracket 34KC22K containing Justified Letter Spacing mechanism and replace on Keyboard with 4 Screws 34KC12.

In place of 20KC1 replace Cover 20KC10K complete with Justifying Scale Pointer Operating Lever group X17KB9. Replace Cover 20KC2. Replace Bell Bracket complete and Paper Tower Cover a19KC1K.

In place of 16KB1K replace Justifying Scale Pointer Lifting Pawl (safety) 16KB5K.

Remove washer a17KB8 and in its place put Link 17KB14 and attach this to the Lever 17KB9K.

Remove Punch Guide (rear) b18KC41, N & M Punches, and replace Guide temporarily.

Remove Punch Bar Guides (front rear) a18KC44 and 45, N & M Punch Bars to facilitate removal of "O" Punch Bar, and then remove the "O" Punch Bar.

Replace this by the "O" Punch Bar a33KC8K and reassemble N & M Punch Bars and Guides a18KC44 and 45.

Remove again the Guide a18KC41 and replace Punches N & M and reassemble Guide a18KC41.

The Attachment is now ready for adjustment.

HOW TO ADJUST THE ATTACHMENT: Turn Operating Lever Handle to the front. Depress any key other than the Justifying and Space Keys and check that the Justifying Scale Pointer Rack b14KB3K is lifting high enough for detent Pawl 15KB1K to function correctly allowing slight clearance between Lever 17KB9K and end of Rocking Lever a86KC1.

If this action is incorrect, adjust Eccentric Bushing 17KB11 on Cover 20KC10K until desired action is obtained.

Turn Operating Lever Handle to the rear. Depress Justifying or Space Key and see that there is slight clearance between the Lever 17KB9K and Rocking Lever a86KC1.

The Keyboard can now be finally adjusted as described in "The Mechanism of the Monotype Keyboard."

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