

2 August, 1996

BULLETIN #134

W34 WIREFEEDER

The W34 wirefeeder has been updated with the following modifications:

- PCB mounted fuses deleted, replaced by wire links.

The fuses were subject to excessive blowing, and were unnecessary as the feeder is protected by a fuse in the power source.

- Drive mechanism converted to 4 driven rollers.

The wire driving force is improved, therefore less drive roll spring compression is required and motor current is reduced.

If required, these modifications can be carried out in the field on existing equipment. Diagram 1 illustrates the PCB changes.

Parts required to convert to 4 driven rolls are:

- 2 off W36-0/2 Pressure roller top driven
- 2 off W36-0/3 Gear top driven

A pair of small circlip pliers is required to disassemble and reassemble the drive mechanism. If replacement circlips are required, they are available under part # W36-0/4.

Diagram 2 illustrates the modified drive assembly.

During reassembly, check the alignment of the wire guide 19. For best alignment, it may be necessary to file the back of block 17 in order to clear the head of the top motor-mounting screw.

The above changes are being routinely implemented in all Adelaide stock of W34's as from this date.



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Equipment Product Manager

QUALITY PRODUCTS, SYSTEMS AND SERVICES

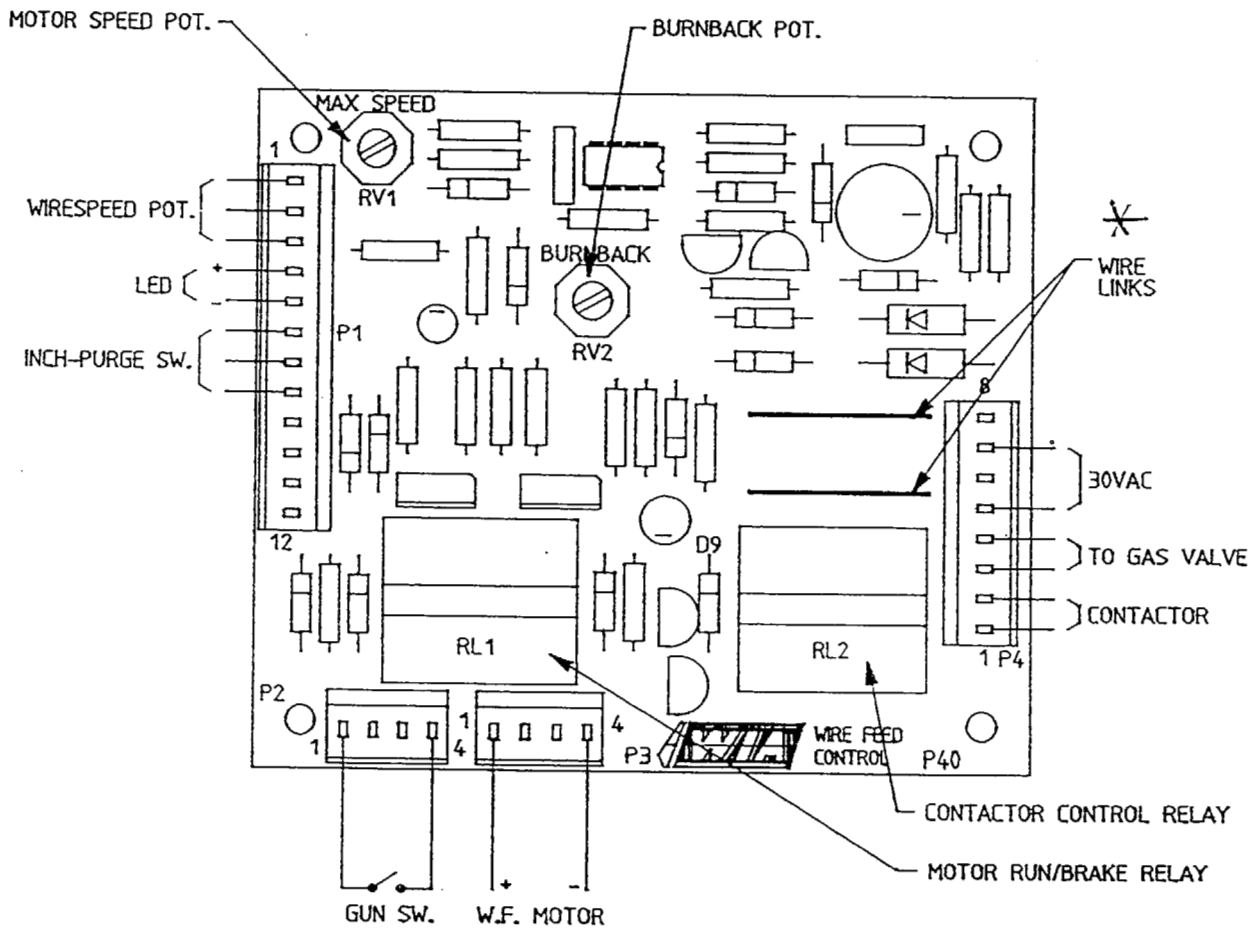


DIAGRAM 1. PRINTED CIRCUIT BOARD

ITEM# PART# DESCRIPTION

- 1.....W36-0/17..... Motor & Gearbox
- 2.....W26-0/3..... Screw M6 x 12
- 3.....W27-0/4..... Key
- 4.....W36-0/12..... Feed Plate
- 5.....W36-0/30..... Feed Roll 0.8mm + 1.0mm
- 6.....W27-0/9..... Positioning Screw
- 7.....W36-0/9..... Axle
- 8.....W36-0/40..... Pressure Arm complete
- Comprising
- 8.1.....W27-1/5..... Axle
- 8.2.....W27-1/6..... Pressure Arm
- 8.3.....W36-0/2..... Pressure Roll Top Driven
- 8.4.....W36-0/3..... Gear Top Driven
- 8.5.....W36-0/4..... Circlip Top Roller
- 9.....W26-0/13..... Inlet Guide
- 10.....W36-0/41..... Pressure Screw complete
- Comprising
- 10.1.....W27-1/12..... Thumbscrew
- 10.2.....W27-1/20..... Spring
- 10.3.....W27-1/14..... Base
- 10.4.....W36-0/8..... Pressure Link
- 11.....W36-0/10..... Pressure Screw Axle
- 12.....W36-0/18..... Spring (L.H.)
- 13.....W36-0/19..... Spring (R.H.)
- 14.....W27-1/3..... External Circlip 4mm ID
- 15.....W27-1/19..... External Circlip 5mm ID
- 16.....W36-0/20..... Screw (Guide Clamp)
- 17.....W36-0/5..... Guide
- 18.....W36-0/6..... Screw
- 19.....W36-0/7..... Wire Guide
- 20.....W36-0/13..... Gear Roll (Driven)
- 21.....W36-0/14..... Gear Roll (Driving)
- 22.....W36-0/15..... Washer
- 23.....W36-0/16..... Protector Plate
- 24.....Screw M5 x 10

ALTERNATIVE PARTS

- (5).....W36-0/31.....Feed Roll 1.0mm + 1.2mm
- (5).....W36-0/32.....Feed Roll 1.2mm + 1.6mm
- (5).....W36-0/33.....Feed Roll 1.2mm + 1.6mm
Cored wire
- (5).....W36-0/34.....Feed Roll 1.6mm + 2.4mm
Cored wire
- (5).....W36-0/35.....Feed Roll 1.0mm + 1.2mm
Alum. wire
- (5).....W36-0/36.....Feed Roll 1.2mm + 1.6mm
Alum wire
- (5).....W36-0/37.....Feed Roll 2.0mm + 2.4mm
- (9).....W27-1/13.....Inlet Guide 3mm
- (9).....W27-2/13.....Inlet Guide 2mm
- (9).....W26-2/13N.....Inlet Guide 2mm Nylon

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KEY (ITEM 3)
IS FITTED TO
OUTPUT SHAFT
OF MOTOR

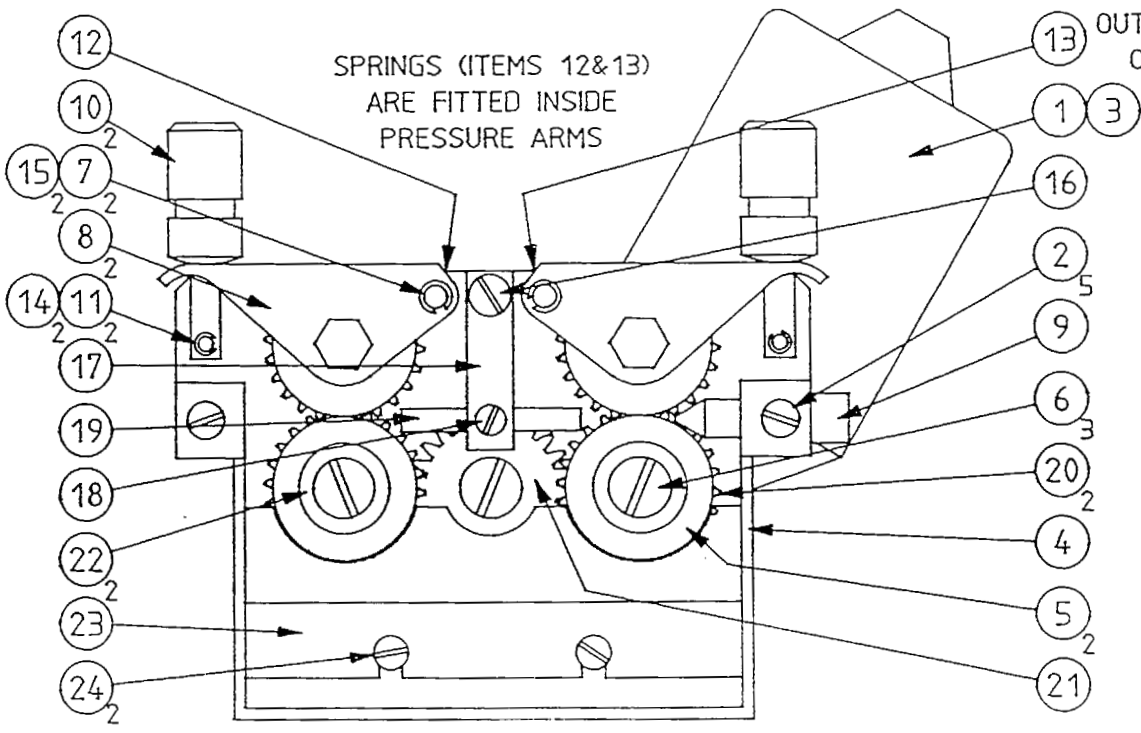


DIAGRAM 2. FOUR ROLL DRIVE ASSEMBLY