



MODEL BSW - MARK III

LOCK -STITCH BUTTON SHANK WRAPPER

PARTS AND SERVICE MANUAL

MACHINE SERIAL No:

PART NUMBER 97.5900.3.000

This manual is valid from the machine Serial No.: R590549



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LIMITED WARRANTY ON NEW AMF REECE EQUIPMENT

Warranty provisions:

A ninety (90) day limited service labor warranty to correct defects in installation, workmanship, or material without charge for labor. This portion of the warranty applies to machines sold as "installed" only.

A one (1) year limited material warranty on major component parts to replace materials with defects. Any new part believed defective must be returned freight prepaid to AMF Reece, Inc. for inspection. If, upon inspection, the part or material is determined to be defective, AMF Reece, Inc. will replace it without charge to the customer for parts or material.

Service labor warranty period shall begin on the completed installation date. Material warranty shall begin on the date the equipment is shipped from AMF Reece, Inc.

Exclusions:

Excluded from both service labor warranty and material warranty are: (1) Consumable parts which would be normally considered replaceable in day-to-day operations. These include parts such as needles, knives, loopers and spreaders. (2) Normal adjustment and routine maintenance. This is the sole responsibility of the customer. (3) Cleaning and lubrication of equipment. (4) Parts found to be altered, broken or damaged due to neglect or improper installation or application. (5) Damage caused by the use of non-Genuine AMF Reece parts. (6) Shipping or delivery charges.

There is no service labor warranty for machines sold as "uninstalled".

Equipment installed without the assistance of a certified technician (either an AMF Reece Employee, a Certified Contractor, or that of an Authorized Distributor) will have the limited material warranty only. Only the defective material will be covered. Any charges associated with the use of an AMF Reece Technician or that of a Distributor to replace the defective part will be the customer's responsibility.

NO OTHER WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, and FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER IS GIVEN BY SELLER OR SELLER'S AGENT IN CONNECTION HEREWITH. UNDER NO CIRCUMSTANCES SHALL SELLER OR SELLER'S AGENT BE LIABLE FOR LOSS OF PROFITS OR ANY OTHER DIRECT OR INDIRECT COSTS, EXPENSES, LOSSES OR DAMAGES ARISING OUT OF DEFECTS IN OR FAILURE OF THE EQUIPMENT OR ANY PART THEREOF.

WHAT TO DO IF THERE IS A QUESTION REGARDING WARRANTY

If a machine is purchased through an authorized AMF Reece, Inc. distributor, warranty questions should be first directed to that distributor. However, the satisfaction and goodwill of our customers are of primary concern to AMF Reece, Inc. In the event that a warranty matter is not handled to your satisfaction, please contact AMF Reece office:

Prostejov, Czech Republic
Phone: (+420) 582-309-275
Fax: (+420) 582-360-608
e-mail: service@amfreece.cz



Warranty Registration Card

(Please Fax or Mail immediately after installation)

Note: All Warranty Claims Void, unless Registration Card on file at AMF Reece HQ

Machine model number:

(S101, S100, S104, S105, S311, Decostitch, S4000, EBS Mark II, etc)

Manufacturer's serial or production number:

Installation Site Information:

Customer's Name:

Customer's Mailing Address:

Customer's Telephone Number:

Supervising Mechanic's or Technician's Name:

Signature of Supervising Technician:

AMF Reece Technician's Name:

AMF Reece Technician's Signature:

Type of garment produced at this location?

Average Daily Production Expected from this machine?

(number of buttonholes, jackets sewn, pants produced, buttons sewn, etc)

Any special requirements required at this location?

What other AMF Reece Machines are at this location?

How can we serve you better?

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A - INTRODUCTION

Button Wrapping and Knotting Machine

Brand Name AMF REECE
Model # BSW Mark III

Specification

Wrapping speed	10- 3000rpm freely programmable
Input voltage	230 Vac
Current	1 amp
Power consumption	250watts
Air pressure	5bar
Air consumption	0.5 liters/cycle

Features

1) Programmable wrapping range

Number of wrapping turns can be programmed from 5-300 rounds

2) Programmable Knotting range

Initial knots selecting range 1-2

Number of ending knots can be programmed from the range of 3 – 30 knots

3) Button height

Button height can be programmed from 1 mm to 10mm

4) Thread Trimming

Patented Thread trimming mechanism which ensures 3-4 mm of remaining thread after trimming

5) Programmable calibration mode

The wrapping position, trimming position and the solenoid operating mode can be calibrated with the program.

6) Built in Test Mode

The machine is having the built in electronic peripherals test mode which allows to check the sensors and motors and the motor drive.

7) Electronic Integrated hardware system

a) In this machine we are using electronic control system based on Micro controller

With 64 kb memory.

b) All motor drives are having MOSFET & PIC control based driving system which give more accuracy easy maintenance all the soft ware and hardware developed in house which gives us more and quick unconditional up gradation.

8) Power supply

Mosfet and PIC controller based SMPS with free range of 170 volts to 260 volts with Short circuit protection, overload protector, over voltage protection & Auto Stand by.

A - INTRODUCTION

Instruction manual

1) Turn on the machine

Put mains cord into Mains socket & plug it into 220 Vac source then turn on the machine switch

2) Operate the machine

By pressing the finger switch at bottom corner of trimming cover

3) Adjusting wrapping frequency

Press SET key for 2- 3 seconds go to Wrapping frequency line select desired number of turns between 5 – 250 after setting press SET to enter normal mode

4) Adjusting Knotting frequency

Press SET key for 2- 3 seconds go to Knotting frequency line select desired number of turns between 3- 30 after setting press SET key to enter normal mode

5) Adjusting Button height

Press SET key for 2- 3 seconds go to Button Height line select desired number of turns between 1- 10mm after setting press SET key to enter normal mode

6) Trimmer On/OFF

Press SET key for 2- 3 seconds go to Trimming line select On/Off by pressing Up arrow button, after setting press SET key to enter normal mode

7) Production Counter '0'

Press 0 and 1 button to make production counter '0'

8) Threading the machine

- a) Insert the thread through the thread guide which is located in right side of top cover
- b) Insert through Auxiliary thread tension
- c) Inset through Retaining spring which is located in between Auxiliary and Knotting thread tension
- d) Insert through knotting thread tension which is located next to Auxiliary thread tension
- e) Up hold the thread retainer to the level of thread puller located in between Knotting thread tension and Wrapping thread tension
- f) Insert through Wrapping thread tension
- g) Insert through Trimming thread retainer
- h) Insert Through Thread shaft, by Pressing **9 key** The air will blow and the thread will coming through front hole of Thread shaft
- i) Insert through Thread wrapping tube By Pressing **9 key** the Air will blow and the thread will come out from front side
- j) Hold the thread and press 8 key the thread take off will move once to ensure sufficient thread for operation

After inserting the thread just hold the thread through button inserting slot and Press **Scissor** symbol key.

A - INTRODUCTION

Setting Mode

Press 'C' & 2 Key to enter Speed Setting mode

Press 'C' & 1 Key to enter normal mode

In setting mode we can set

- 1) Wrapping speed
- 2) Knotting Speed
- 3) Oscillating speed or Y-speed
- 4) Z-speed

1) Wrapping speed

Press **SET** Key for 2-3 second, Adjust desired speed from 500-3000 Rpm

2) Knotting speed

Press **SET** Key for 2-3 second, Adjust desired speed from 100-1200 Rpm

3) Oscillating speed or Y-Speed

Press **SET** Key for 2-3 second, Adjust desired speed from 050-100 mm/sec

4) Z- Speed

Press **SET** Key for 2-3 second, Adjust desired speed from 300 Rpm

In any stage we can come out by Pressing '**SET**' Key

Calibration Mode

Press 'C' & 3 Key to enter setting mode

Press 'C' & 1 Key to enter normal mode

Press 'C' & 4 Key to display OFF

Press 'C' & 5 Key to display ON

Press 'C' & 6 Key to Parameter reset

Press 'C' & 7 Key to AUTO RUN mode

After entering to **setting** mode by pressing C&3 keys at a time we can calibrate the machine as follows

- 1) Trimming position
- 2) Wrapping position
- 3) Best Wrap Delay time
- 4) Best wrap Hold time
- 5) Trimming hold time

A - INTRODUCTION

1) Trimming position

Press 'SET' Key for 2 - 3 seconds go to **Trimming position** adjust desired position ranging from 1500 – 1900

2) Wrapping position

Press 'SET' Key for 2 - 3 seconds go to **Wrapping position** adjust desired position ranging from 1100 – 1400

3) Best Wrap delay time

Press 'SET' Key for 2 - 3 seconds go to **best wrap delay time** adjust desired position ranging from 0 - 200ms
Default value - 170

4) Best wrap hold time

Press 'SET' Key for 2 - 3 seconds go to **best wrap hold time** adjust desired position ranging from 0 - 200ms
Default value - 150

5) Trimming Hold Time

Press 'SET' Key for 2-3seconds go to **Trimming Hold Time** adjust the hold time ranging from 0 - 350ms
Default value - 240

In any stage we can come out by Pressing 'SET' Key