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› [DOGNESS 9L Automatic Pet Feeder User Manual](#)

DOGNESS F09

DOGNESS 9L Automatic Pet Feeder User Manual

Model: F09

1. INTRODUCTION

Thank you for choosing the DOGNESS 9L Automatic Pet Feeder. This device is designed to provide your pet with scheduled and portion-controlled meals, ensuring a consistent feeding routine even when you are away. Please read this manual thoroughly before operating the feeder to ensure proper use and maintenance.

2. IMPORTANT SAFETY INFORMATION

- This appliance is for indoor use only.
- Use only dry pet food with kibble sizes between 0.2 and 0.6 inches (0.5 to 1.5 cm) to prevent clogging.
- Do not immerse the main unit in water or any other liquid.
- Keep the feeder out of reach of children and pets when not in use or during cleaning.
- Always unplug the feeder before cleaning or performing maintenance.
- Ensure the power adapter cable is not damaged or chewed by pets.
- Do not attempt to repair or modify the feeder yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- DOGNESS 9L Automatic Pet Feeder Main Unit
- Food Hopper Lid
- Food Bowl (Base)
- Power Adapter
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your DOGNESS Automatic Pet Feeder.



Figure 4.1: Front view of the DOGNESS 9L Automatic Pet Feeder.

1. **Food Hopper:** Large capacity container for dry pet food.
2. **Lid:** Secures the food hopper.
3. **Control Panel & LCD Display:** For programming and operating the feeder.
4. **Food Outlet:** Where food is dispensed.
5. **Food Bowl:** Detachable tray for pet to eat from.
6. **Power Port:** For connecting the AC adapter.
7. **Battery Compartment:** For backup batteries (located at the bottom).

CUSTOMIZABLE FEEDING SCHEDULES

Intuitive operation

Voice Pet Calling

Timed & Measured

Anti-blockage & Anti-spill

Blackout-Proof Food Supply



Figure 4.2: Detailed view of the control panel and LCD display.

5. SETUP GUIDE

5.1 Unpacking and Assembly

1. Carefully remove all components from the packaging.
2. Place the main unit on a flat, stable surface.
3. Attach the food bowl to the main unit by sliding it into place until it clicks securely.

5.2 Powering the Feeder

The feeder can be powered by an AC adapter or backup batteries.

- **AC Power:** Connect the power adapter to the feeder's power port and then plug it into a standard wall outlet.
- **Battery Backup:** For power outages, the feeder supports D-cell batteries (not included). Open the battery compartment at the bottom of the unit and insert the required number of D-cell batteries, ensuring correct polarity. The internal Lithium-ion

battery included is for maintaining settings.

5.3 Filling the Food Hopper

9L LARGE CAPACITY



Figure 5.1: The large 9-liter capacity food hopper.

1. Open the lid of the food hopper.
2. Pour dry pet food into the hopper. Ensure the kibble size is appropriate (0.2 to 0.6 inches).
3. Close the lid securely to maintain food freshness and prevent spills.

6. OPERATING INSTRUCTIONS

6.1 Setting the Current Time

Before programming meal times, set the current time on the feeder's LCD display.

1. Press the **"SET"** button to enter time setting mode.

2. Use the **"HOUR"** and **"MINUTE"** buttons to adjust the current hour and minute.
3. Press **"SET"** again to confirm and exit.

6.2 Programming Meal Times and Portions

The feeder allows you to schedule up to 4 meals per day with customizable portion sizes.

1. Press the **"MEAL"** button to cycle through Meal 1, Meal 2, Meal 3, and Meal 4 settings.
2. For each meal, use the **"HOUR"** and **"MINUTE"** buttons to set the desired feeding time.
3. Use the **"PORTION"** button to adjust the number of servings for that meal. Each serving dispenses a specific amount of kibble. Refer to the specifications for approximate serving size.
4. After setting each meal, press **"SET"** to save the settings and move to the next meal or exit programming mode.
5. Ensure the meal schedule is activated (usually indicated by an "ON" or active icon on the display for each meal).



Figure 6.1: The feeder providing automatic, scheduled meals.

6.3 Voice Recording

You can record a personalized voice message (up to 10 seconds) that will play before each meal to call your pet.

1. Press and hold the **"REC"** button until the display indicates recording mode.
2. Speak clearly into the microphone (usually located near the control panel).
3. Release the **"REC"** button to save the recording.
4. Press the **"PLAY"** button to listen to your recorded message.

6.4 Manual Feeding

To dispense food instantly outside of scheduled meal times:

- Press the **"MANUAL"** button once to dispense one serving.
- Press multiple times for additional servings.



Figure 6.2: Food being dispensed, demonstrating the anti-clogging design.

7. MAINTENANCE AND CLEANING

7.1 Cleaning the Feeder

1. Unplug the feeder from the power outlet and remove any backup batteries.
2. Remove any remaining food from the hopper and food bowl.
3. The food bowl is detachable and can be washed with mild soap and water. Rinse thoroughly and dry completely before reattaching.
4. Wipe the interior of the food hopper and the exterior of the main unit with a damp cloth. Do not use abrasive cleaners.
5. Ensure all parts are completely dry before reassembling and refilling with food.

7.2 Refilling Food

Regularly check the food level in the hopper. Refill as needed to ensure continuous feeding for your pet.

7.3 Battery Replacement

If using D-cell batteries for backup, replace them when the low battery indicator appears on the LCD display or approximately every 6-12 months, depending on usage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Feeder not dispensing food.	• Food hopper is empty. • Food outlet is clogged. • Incorrect kibble size. • Feeder is not powered on or batteries are low.	• Refill the food hopper. • Clear any blockages from the food outlet. • Ensure kibble size is between 0.2 and 0.6 inches. • Check AC power connection or replace backup batteries.
Incorrect portion size dispensed.	• Portion settings are incorrect. • Kibble density/shape affects volume.	• Re-program the portion settings. • Adjust portion settings based on actual dispensed amount for your specific food.
LCD display is blank or not responding.	• No power or low batteries. • Device malfunction.	• Check AC power connection and/or replace backup batteries. • If problem persists, contact customer support.

9. SPECIFICATIONS



Figure 9.1: Dimensions of the DOGNESS 9L Automatic Pet Feeder.

Model Number	F09
Capacity	9 Liters
Dimensions (L x W x H)	23.6 cm x 40.6 cm x 38.2 cm
Weight	2.52 Kilograms
Material	Plastic

Power Supply	AC Adapter (included), D-cell Batteries (not included) for backup
Recommended Kibble Size	0.2 - 0.6 inches (0.5 - 1.5 cm)
Color	Black-9L
Usage Environment	Indoor use only

10. WARRANTY AND SUPPORT

DOGNESS products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or visit the official DOGNESS website. If you encounter any issues or have questions regarding your pet feeder, please contact DOGNESS customer support for assistance.

Customer Support: Please refer to your purchase documentation or the manufacturer's website for contact details.



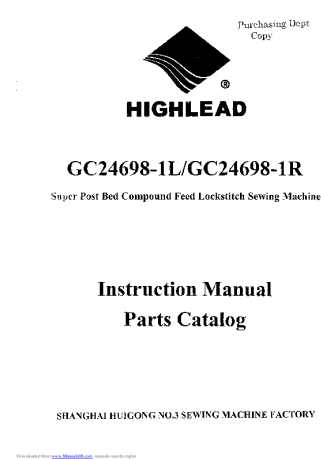
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Related Documents - F09

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	Dogness Smart Cam Feeder User Manual Comprehensive user guide for the Dogness Smart Cam Feeder, detailing setup, features, operation, and maintenance for pet owners. Includes information on HD camera, night vision, app control, and scheduled feeding.
	Dogness Smart Cam Feeder F01 User Manual User manual for the Dogness Smart Cam Feeder F01, detailing specifications, installation, and usage instructions for this smart pet feeder.
	Dogness App Feeder F03 FCC Compliance Information FCC compliance details for the Dogness App Feeder Model F03, manufactured by Dongguan Jiasheng Enterprise Co., Ltd. Includes FCC ID and operating conditions.

	Dogness App Feeder F03 Instruction Manual Comprehensive instruction manual for the Dogness App Feeder F03, covering setup, app connection, troubleshooting, and safety precautions for automated pet feeding.
	Dogness Smart Cam Feeder User Manual Comprehensive user guide for the Dogness Smart Cam Feeder, detailing setup, features, operation, and maintenance for pet owners. Includes information on HD camera, night vision, app control, and scheduled feeding.

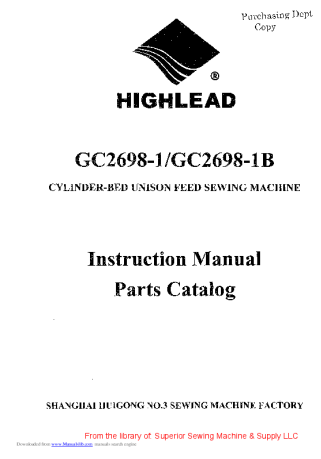
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GC2698-1/GC2698-1B

CYLINDER-BED UNISON FEED SEWING MACHINE

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1798-1 AZ

Direct Drive Heavy Duty Top And Bottom Feed
Lockstitch Sewing Machine

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HIGHLEAD

GA0688-1

Flat Bed Extra-Heavy Duty
Compound-Feed Lockstitch Sewing Machine

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GC22618-1B

Cylinder-Bed Unison Feed
Sewing Machine

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GK0058-AC

High Speed Chain With Edge Cutter Machine

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GA0688-1

Flat Bed Extra-Heavy Duty
Compound-Feed Lockstitch Sewing Machine

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GC2268-2B/2BL

Two Needle Cylindrical Bed Compound Feed
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WF 975-LH

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GC20618-4

Compound-feed,Four needles,Heavy Material
Lockstch Sewing Machine

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upper F07 I13207F067I IITTI F08 HA800F2020 Screw **F09** HAI00F2I 10 Spring

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GLOBAL

WF 9995-AE

SINGLE NEEDLE, TOP AND BOTTOM FEED
LOCKSTITCH SEWING MACHINE SPECIALLY
DESIGNED FOR TRIMMING AND BINDING, WITH
ALTERNATING OUTSIDE PRESSERFOOT.
AND EDGE CUTTER

INSTRUCTION / OPERATING MANUAL
PARTS MANUAL

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H2104I0065 Eccentric wheel rod FIO H2000J2100 Set screw Fil H2014J0652

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GLOBAL

ZZ 1366-3S-76-P

Long arm, extra heavy duty, single needle,
lockstitch zig-zag sewing machine

Instruction & Parts manual

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[Global ZZ 1366-3S-76-P Sewing Machine Instruction and Parts Manual](#)

This manual provides detailed instructions and parts lists for the Global ZZ 1366-3S-76-P, a long arm, extra heavy duty, single needle, lockstitch zig-zag sewing machine.

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Digital Weighing Indicator

CT-2100 User Manual

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HIGHLEAD

GC20618-1E

Heavy Duty Compound Feed Lockstitch
Sewing Machine With Edge Binder

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GC0398-1/GC0398-1-D

Heavy Duty Top And Bottom Feed
(With Automatic Thread Trimmer)
Lockstitch Sewing Machine

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[Highlead GA2688-L Instruction Manual and Parts Catalog](#)

This document provides a comprehensive instruction manual and parts catalog for the Highlead GA2688-L sewing machine. It covers safety precautions, main specifications, preparation for operation, and detailed parts lists with diagrams for various mechanisms including the arm bed, needle bar, lower shaft, feeding, upper shaft, presser foot, knee lifter, and bobbin winder.

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GC24608-2/GC24608-1L/1R

2-Needle/1-Needle,Post-Bed Compound-feed
Lockstitch Industrial Sewing Machine

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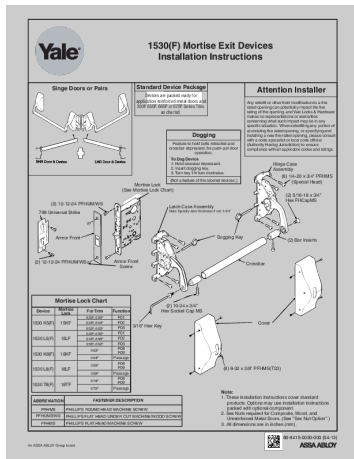
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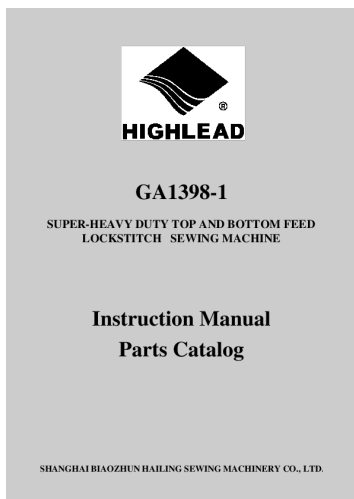
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Untitled 1 Owner 1530 F Mortise Exit Devices Installation Instructions AWS Attention Installer Any retrofit or other field modification to a fire rated opening can potentially impact the rating of and 1530seriesinstallation dwi9Inoau63q cloudfront net yale installationinstructions Case Service Manual Pdf John Deere Tractor Jensales docs Device jmacfiles s3 amazonaws ||| 1530 F Mortise Exit Devices Installation Instructions Singe Doors or Pairs 2 12-12-24 PFHUM/WS 7 ... 73F 1530 T8 F 18TF 675F Function 2 10-24 x 3/4 Hex Socket Cap MS F01 F02 F03 F01 F02 F03 F08 **F09** Passage F08 **F09** Passage F08 **F09** 3/16 Hex Key Passage ABBREVIATION FASTENER DESCRIPTION PRH... lang:en score:25 filesize: 900.16 K page_count: 6 document date: 2013-04-16



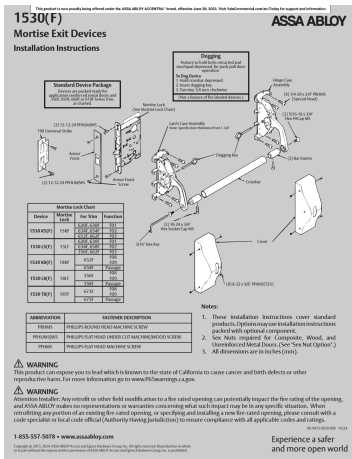
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Instruction Manual Sewing Machines Plus HIGH LEAD 370W Clutch Motor I Speed adj 1 2 From the library of Superior Machine Supply LLC 3 PREPARATION AND LUBRICATION Cleaning machine Before leaving factory parts are coated with rust preventive grease which may be hardened and contaminated by dust during storage shipment manual sewingmachinesplus media products highlead gc0618 Purchasing Dept Copy HIGH LEAD GC0618-1/-SC/-D2/GC0518-1 Heavy Duty Compound Feed Lockstitch Sewing ... bracket 1 1 1 1 F07 H3400C2020 Screw 1 1 1 1 F08 H2000G2030 Needle 1 1 1 1 DPx17 22# **F09** H3129F0693 Needle bar thread guide 1 1 1 **F09** HA500C2030 Needle bar thread guide 1 FIO H312... lang:en score:25 filesize: 1.58 M page_count: 40 document date: 2016-09-22



[pdf] User Manual Dimension Guide Catalog

Microsoft Word 1 yy GA1398 Instruction Manual Parts Catalog Knee lifter 32 mm Needle type Schmetz 1000 250 Shuttle hook KSP7 31 Bobbin $\phi 7 \times 38$ Oil lubrication method Bed dimensions 654x258 manual 20180823114710791 sewingmachinesplus media products highlead ga1398 cn uploadfiles 80 GA1398-1 SUPER-HEAVY DUTY TOP AND BOTTOM FEED LOCKSTITCH SEWING MACHINE Instruction Manual Parts Cat ... R FEED ROCK SHAFT Fig. No. Part No. Description F07 HH504G8001 Throat plate F08 HH505G8001 Screw **F09** HH507G8001 Bed slide left F10 HH509G8001 Bed slide right F11 HA305E0662 Screw F12 HH512G8001... lang:en score:25 filesize: 1.01 M page_count: 30 document date: 2018-08-22



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ASSA ABLOY ACCENTRA 1530F Mortise Exit Devices Installation Instructions 80 9415 0030 000

resources locksandsafes |||

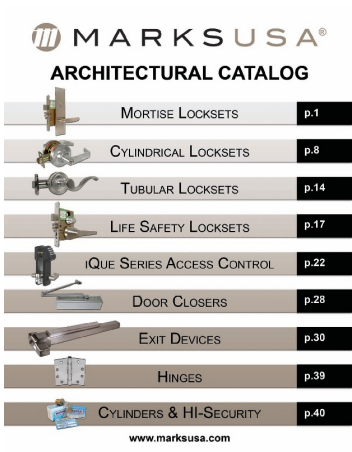
1530 F Mortise Exit Devices Installation Instructions Standard Device Package

Devices are packed re ... 356F, 662F 18KF 652F 654F 18LF 356F 358F 18TF 673F

675F Function F01 F02 F03 F01 F02 F03 F08 **F09** Passage F08 **F09** Passage F08

F09 Passage 2 10-24 x 3/4 Hex Socket Cap MS 3/16 Hex Key ABBRE...

lang:en score:24 filesize: 541.57 K page_count: 8 document date: 2024-04-01



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ANSI # F04 F07 F05 F06 F26 F08, F10 F21 F12 F13 F20 F15 **F09** F32 F30 F35 F14

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Architectural Guide Pacific Lock Supply and Hardware A677C Marks LR marksusa media s |||

Locking Solutions: Security Value for a Lifetime MULTIFUNCTION LOCKSETS

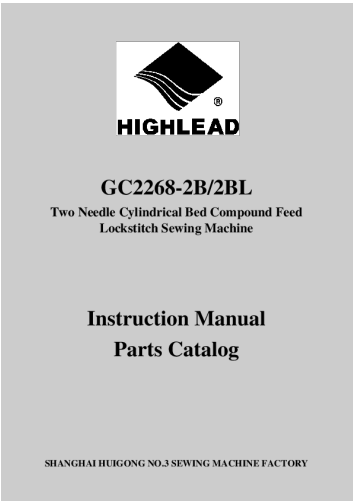
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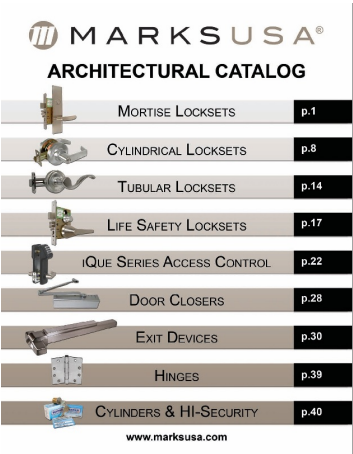


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GC2268-2B/2BL Two Needle Cylindrical Bed Compound Feed Lockstitch Sewing Machine Instruction Manual ... 3E8001 Feed rock lifting shaft crank F06 H41111E204 Felt F07 HE117E8001 Oil wick F08 HE116E8001 Pin **F09** HE046C8001 Screw F10 HE105E8001 Slide block for crank F11 HE109E8001 Screw F12 HE110E8001 Roller...

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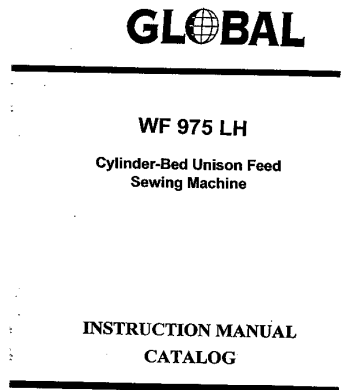


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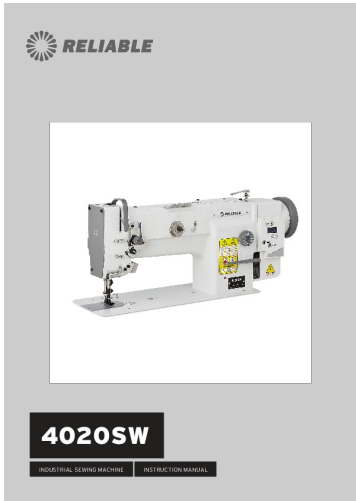


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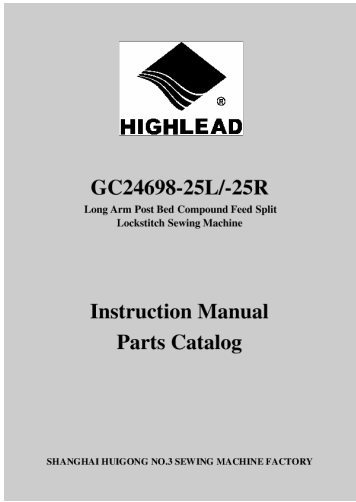
G __,__,_.BAL WF 975 LH Cylinder-Bed Unison Feed Sewing Machine . INSTRUCTION MANUAL CATALOG 1. S ... H5306006 Presser bar spring 1 F01 H5306007 Set screw 1 FOB H5306008 Bushing for presser bar 1 **F09** H5306009 Screw 1 FIO H5306010 Walking foot 1 Fil H5306011 Presser bar lifter 1 F12 H530601...

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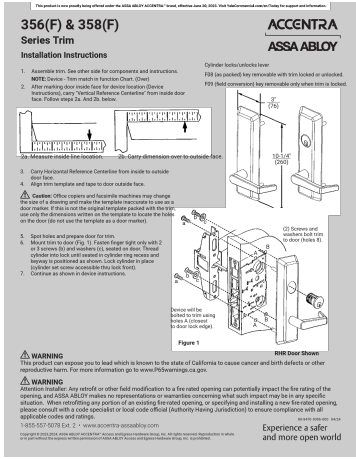
[\[pdf\]](#) User Manual Instructions Specifications

dq hg Sewing Machines Plus instructions cdn sewingmachinesplus media products reliable 4020swreg ||| 4020SW INDUSTRIAL SEWING MACHINE INSTRUCTION MANUAL CONTENTS 1. PRECAUTIONS BEFORE STARTING OPER ... 3100F2020 F03 H3100F2030 F04 HA700F2100 F05 H3111F0651 F06 H3100F2240 F07 H3400C2020 F08 H2000G2030 **F09** H3129F0693 F10 H3129F0691 F11 HA100C2170 F12 H3129F0692 F13 H3100F2270 F14 H3406C0671 F15 H60204... lang:i-klngon **score:22** filesize: 3.12 M page_count: 32 document date: 2021-06-07



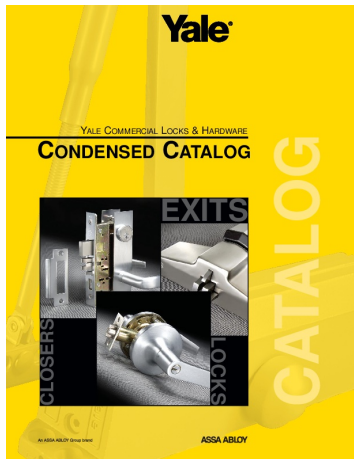
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yjl xitongpan HIGHLEAD GC24698 25L 25R instructions parts catalog a teamworksales s3 amazonaws ||| GC24698-25L/-25R Long Arm Post Bed Compound Feed Split Lockstitch Sewing Machine Instruction Manual ... ccentric shaft F06 HF30G78001 Reverse stitch shaft F07 HA720F0687 Spring F08 HA700F2030 Stopper pin **F09** HF30G58001 Reverse stitch crank F10 HA800F2020 Screw F11 H3207F0672 Screw F12 HA100F2110 Washer ... lang:en **score:22** filesize: 1.66 M page_count: 37 document date: 2010-06-11



[\[pdf\]](#) Instructions Dimension Guide

Untitled 1 ASSA ABLOY ACCENTRA 356F Series Mortise Installation Template Instructions 80 8470 0356 000 resources locksandsafes ||| 356 F 358 F Series Trim Installation Instructions 1. Assemble trim. See other side for component ... b. below. Cylinder locks/unlocks lever F08 as packed key removable with trim locked or unlocked. **F09** field conversion key removable only when trim is locked. 3 76 2a. M easure inside line loc... lang:en **score:21** filesize: 569.04 K page_count: 4 document date: 2024-04-01

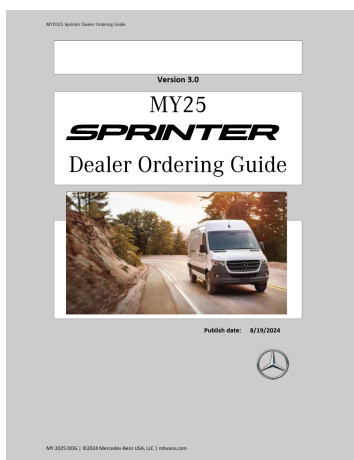


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CLOSERS CATALOG YALE COMMERCIAL LOCKS HARDWARE CONDENSED CATALOG EXITS LOCKS TINITTLREODUCTION ... Locksets/ Monolocks N/A Apartment, Exit or Public Toilet Lock Classroom Security Intruder Lock **F09** Knob 8817-2 Levers 8817-2FL SL8817-2FL Knob 8818-2 Levers 8818-2FL SL8818-2FL F88 5417 N/A ...

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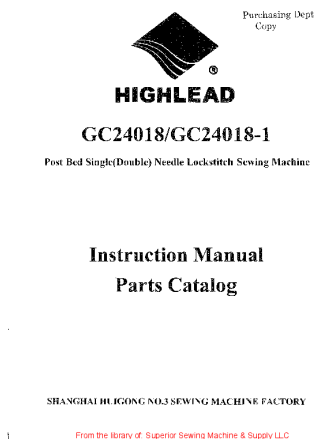


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MY2025 Sprinter Dealer Ordering Guide Version 3.0 MY25 Dealer Ordering Guide Publish date: 8/19/2024 ... rive Assist Package New - New: On 2500, 3500 Models JB6 replaced by JB7. JF7 not included anymore **F09** - Shuttle Door Prep Package added RV2, RV3 - New RV bundles launched Paint 9922 - Hightech Silve...

lang:en score:20 filesize: 1.96 M page_count: 95 document date: 2024-08-16

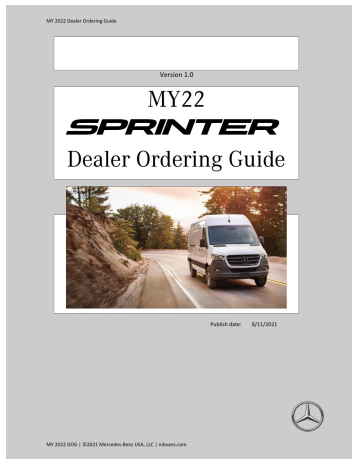


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Highlead GC24018 1 supsew HIGH LEAD Superior Sewing Machine Supply LLC 9 mag 2023 — Instruction Manual Parts Catalog There might be a slight difference in operator s the table with lever pushed operation position When May regulator as well strength and operating range F31 1200 !2!30 Screw I SM15 64 24 x11 maquinasuniao br themes maquinas uniao catalogos loop 34 |||

Purchasing Dept Copy HIGH LEAD GC24018/GC24018-1 Post Bed Single Double Needle Lockstitch Sewing M ... per F05 I- 240400654 Screw F06 I- 24040 655 Spring F07 H2404G0656 Spring stud F08 H240400657 Screw **F09** I- 2404CJCJ658 Screw Fill H2404G0659 Spacer FII H2405C JD066 Roller Presser complete F12 I- 24...

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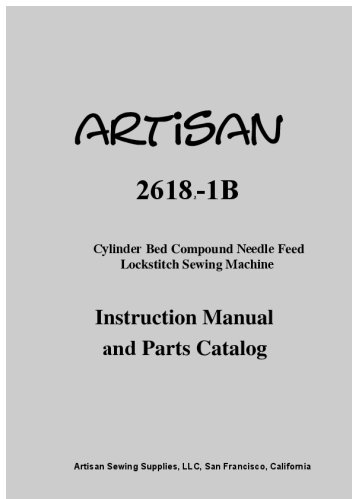
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Bez Maximilian 171 Version 1 0 MY22 Dealer Ordering Guide 144 WB Gas SR M1CA4G \$37 000
M2CA4G \$38 250 4 Cyl M2CA44 \$41 450 6 M2CA46 \$43 400 4x4 M2CA4X \$51 600 HR M2CA7G 800
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MY 2022 Dealer Ordering Guide Version 1.0 MY22 Dealer Ordering Guide Publish
date: 8/11/2021 MY 2022 ... signals in cockpit E2I Additional battery, co-driver seat
base E2I must have E36/C06; not with E2M/**F09**; CHS production only E2M
Additional battery, engine compartment E2M must have X01 E36/C06 ; no...
lang:en **score:18** filesize: 7.79 M page_count: 386 document date: 2021-09-08



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SB 300 Industrial and Commercial Laundry Machines B C Technologies Installation Operation Manual
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SECTION 1: IMPORTANT INFORMATION A. INTRODUCTION INFORMATION B.
SAFETY PRECAUTIONS C. ENVIRONMENTAL ... the mechanical brake correctly .
Check that the motor starts running if the value of torque boost **F09** is increased.
Increase the value of torque boost **F09** and try to run the motor Check the data...
lang:en **score:18** filesize: 2.28 M page_count: 87 document date: 2011-09-08



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hl 2618 2 1B InstructionAndSaprePartsManualMay 8 2014 artisansew manuals
artisan 2618.2-1B Cylinder Bed Compound Needle Feed Lockstitch Sewing Machine
Instruction Manual and ... g lever F06 HA720F0687 Coil spring F07 HA700F2030
Stopper pin F08 HA100F2090 Spring for stopper pin **F09** HA109F0674 Seal F10
HA720F0681 Screw bar F11 HH61F18001 Feed regulator crank F12 HH61F28001
Feed...
lang:en **score:18** filesize: 1.45 M page_count: 33 document date: 2014-05-08



Hygienic Washer Extractor



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Microsoft Word TABLE OF CONTENTS doc User SB 80 Industrial and Commercial Laundry Machines B C Technologies Manual bandtech Catalog SalesTech content |||

Important Before Placing Machine into Service Note: The unload door on the clean side of the machi ... the mechanical brake correctly . Check that the motor starts running if the value of torque boost **F09** is increased. Increase the value of torque boost **F09** and try to run the motor Check the data...

lang:en score:17 filesize: 3.12 M page_count: 64 document date: 2014-07-21



Hygienic Washer Extractor



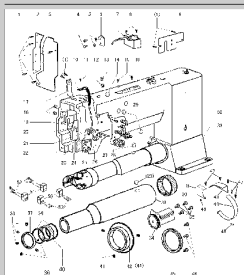
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SECTION 1: IMPORTANT INFORMATION A. INTRODUCTION INFORMATION B. SAFETY PRECAUTIONS C. ENVIRONMENTAL ... the mechanical brake correctly . Check that the motor starts running if the value of torque boost **F09** is increased. Increase the value of torque boost **F09** and try to run the motor Check the data...

lang:en score:16 filesize: 2.64 M page_count: 86 document date: 2011-06-13

A. ARM BED AND ITS ACCESSORIES



[\[pdf\]](#) User Manual Guide Accessories

Highlead GC2268 2BXL Parts Manual 002 xls Marie supsew Superior Sewing Machine Supply LLC |||

A. ARM BED AND ITS ACCESSORIES 2 3 32 19-- 33 20 - - - - t - - . : r r l 21 _ ____-- 1, ____; --- 11 ... her F05 HA100G2100 Screw F06 HBG6254081 Felt F07 HN21G18001 Panel F08 HA7311C306 Screw **F09** HBG6258081 Panel F10 HBG6257081 Feed arm F11 HE111D8001 Rotating hook shaft bushing lef...

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GG80018

Long Arm Extra Heavy Duty Zigzag Sewing Machine

Instruction Manual Parts Catalog

SHANGHAI BIAOZHUN HAILING SEWING MACHINERY CO., LTD.

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Isz GG80018 Sewing Machines Plus Lubrication Manual Working space mm 760×260 Motor 550W Speed adj motor 2 3 OILING Do not operate the machine even if only for testing and or idling unless it has been properly oiled at every spot reservoir required lubrication Fig 1 4 THREADING Pass thread through path manual sewingmachinesplus media products highlead gg80018

GG80018 Long Arm Extra Heavy Duty Zigzag Sewing Machine Instruction Manual Parts Catalog SHANGHAI BI ... ring F05 HM810G8001 Baffle F06 H415040060 Screw F07 HM812G8001 Baffle F08 H415040060 Screw **F09** H415080250 Screw F10 H415050160 Screw F11 H415050160 Screw F12 H005010060 Washer F13 H4...
lang:i-klngon **score:16** filesize: 2.76 M page_count: 31 document date: 2018-07-16



PARTS LIST

4214P



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GC0618-1/-SC/-D2/GC0518-1
Heavy Duty Compound Feed Lockstitch Sewing Machine

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HIGH LEAD Sewing Machines Plus834 H2017M0067 Bevel gear cover up backward I 1 835 H2017M0065 From the library of Superior Machine Supply LLCmanualsewingmachinesplus media products highlead gc0618 manual srsltid AfrmBOopkJHg

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Purchasing Dept Copy HIGH LEAD GC0618-1/-SC/-D2/GC0518-1 Heavy Duty Compound Feed Lockstitch Sewing ... bracket 1 1 1 1 F07 H3400C2020 Screw 1 1 1 1 F08 H2000G2030 Needle 1 1 1 1 DPx17 22# **F09** H3129F0693 Needle bar thread guide 1 1 1 **F09** HA500C2030 Needle bar thread guide 1 FIO H312...

lang:en **score:15** filesize: 1.58 M page_count: 40 document date: 2016-09-22

ANALOG DEVICES

POWERED BY

LINCOLN

DEMO MANUAL DC2419A

LTC3372EUK

4-Channel 8A Configurable Buck Plus Low IQ High Voltage Buck Supply

DESCRIPTION

Demomaterial manual DC2419A features the LTC3372, a multi-output step-down converter. The controller portion of the LTC3372 offers a high output voltage range of 0.6V to 60V. Its output voltage (V_{OUT}) and its current (I_{OUT}) can be configured for either 5V or 3.3V with the V_{OUT} pin. V_{OUT} is supplied power to the configurable buck regulator. The regulator provides four low-voltage (LV) outputs: 1.2V/2A, 1.8V/2A, 2.5V/2A and 3.3V/2A. These outputs are 1.2V/2A, 1.8V/2A, 2.5V/2A and 3.3V/2A. When V_{OUT} is configured for 5V, it can supply 8A to the external loads with full load on V_{OUT}. With no load on V_{OUT}, it can supply 10A to the external loads. See Figure 2 for the Buck Diagram.

The LV buck regulator consists of eight power stages that can be arranged in up to four channels. The LV regulator on the DC2419A is set up for four channels of two power stages each. With modifications, the LV buck regulator can be setup for eight different configurations. See the LV Regulator Configuration section for more details.

If V_{OUT} is programmed for 3.3V, then V_{OUT} which provides 3.3V/2A will be in output. This will require an external input voltage to stay in regulation. See the LV Regulator Configuration section for more details.

The LV falls operate at 50kHz and the HV converter operates at one-fourth this frequency or 12.5kHz. The high frequency of the LV falls allows the use of 0.1μF ceramic inductors. The power stage for the HV converter consists of 60V MOSFETs and a 2.2μF 100mV 100mV inductor. A 40kΩ discrete sense resistor is used to sense current.

The low IQ current of the LTC3372 provides high efficiency at light loads. When the V_{OUT} is configured for 5V, the converter efficiency with 100mA load is 96.2% for a 12V input, see Figure 8. When the HV converter is off, it only draws 27μA from a 12V input.

Other features of the board include:

- Selectable light load operating modes of:
 - Fold-back
 - Pulse-skipping (PVS) and Burst Mode operation (BVO)
 - Burst Mode operation
- PLL pin to synchronize the LV regulator to the HV converter
- Watchdog circuit
- I_{SENSE} pin to monitor the junction temperature of the LTC3372
- PGOOD pin for the HV converter and PVS pin for the LV regulator

The LTC3372 data sheet provides a complete description of the IC operation and application information. The data sheet must be read in conjunction with this quick start guide.

Design files for this circuit board are available at <http://www.analog.com/DC2419A>.

1

[pdf] User Manual Documentation Diagram Label

DC2419A Rev 0 4 Channel Configurable Buck Low IQ High Voltage Supply Analog Devices Inc UG 1377

analog media en dsp documentation evaluation kit manuals |||

DEMO MANUAL DC2419A DESCRIPTION LTC3372EUK 4-Channel 8A Configurable Buck Plus Low IQ High Voltage ... 330kHz RSENSE: 4m LV REGULATORS, WATCH DOG CIRCUIT AND TEMPERATURE MONITOR DISABLED 1 10 DC2419a **F09** VOUT_HV = 5V, Burst Mode OPERATION VOUT_HV = 3.3V, Burst Mode OPERATION VOUT_HV = 5V, PULSE-SKIP...

lang:en **score:15** filesize: 3.86 M page_count: 18 document date: 2018-07-13

INDUSTRIAL WEIGHING SOLUTION

NT-302A

Weighing Indicator



CAS

NT-302A

Weighing Indicator



CAS

[pdf] User Manual Specifications Declaration of Conformity

Microsoft Word NT 302~1 DOC Administrator

CAS INDICATOR

302A

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DIGITAL INDICATOR 1. 2 2. 3 3 ... ON BAND F04 ZERO TRACKING F05 AUTO ZERO F06 F07 ZERO, TARE Key F08 ZERO Key **F09** TARE Key F10 F11 F12 F14 OFF F21 F22 Relay ON F23 Relay ON ...

lang:nl **score:15** filesize: 887.6 K page_count: 34 document date: 2007-09-11