

Dear Valued Customer,

Thank you for your recent purchase. We appreciate the opportunity to serve you and look forward to working with you again.

Satisfied customers are our best advertisement, so I encourage you to give us feedback on how we're doing. If we ever disappoint you, I hope you'll let us know; we'll do everything we can to make things right.

Unfortunately back orders occasionally happen. If you have any back orders listed below, they will be sent to you via UPS as quickly as possible. We apologize for any inconvenience.

IMPORTANT: YOU MUST CALL THE BUSINESS OFFICE WITH YOUR SERIAL NUMBER TO RECEIVE YOUR Manufacturer's Statement of Origin (MSO).

BACK ORDERS:

- 1- Headlight
- 1- Rigid Fender
- 1- Sickle

Sincerely,

Carrie Taylor

**Carrie Taylor
SMW, Inc.**

Southern Motorcycle Works, Inc.
 3551 Cypert Way
 Ardmore, OK 73401



Invoice

Date	Invoice #
3/11/2005	2514

Bill To

Ship To

Quantity	Description	Price Each	Amount
	SMW ROLLING CHASSIS PACKAGE PRICE	4,995.00	4,995.00
	+4" Over-Stock Chrome front Forks		0.00
	Chrome 7 1/2" Stretched Bullet Headlight		0.00
	3 Degree Raked Chrome Billet Triple Trees		0.00
	Chrome dust covers		0.00
	Internal stopping Neck Cups		0.00
2	Headcup bearings		0.00
	Stop Plate 60 and 80 Degree		0.00
	18 X 10.5 REAR BILLET RIM - Spike		0.00
	21 X 3.25 FRONT BILLET RIM - Spike		0.00
	Avon Venom 300 series Tire		0.00
	120MH21 Avon Venom Tire		0.00
	13" Russ Wernimount Rigid fender for 300 Series tire		0.00
	4" Stretched Mainstream Gas Tank with Flush Mount Chrome Cap		0.00
	'Winged' Kraft-Tech oil tank center fill (comes with frame, includes mounting hardware)		0.00
	Front Axle, Bearings, seals, and center spacer		0.00
	CREEPED OUT 300 SERIES RIGID ROLLING CHASSIS 45 DEGREE RAKE, -2" STRETCH DOWNTUBE, 5" STRETCH IN THE BACKBONE		4,995.00
	SMW ENGINE PACKAGE PRICE	7,795.00	7,795.00
	Polished 12T Ultima Engine with Super G. carb.		0.00
	Polished 6 Speed Transmission ***Right Side***	400.00	400.00
	3" Open-Belt BDL for Evo engines 90 and up		0.00

THANK for your business 580-224-2888

www.southern-mc.com

Total
Payments/Credits
Balance Due

Southern Motorcycle Works, Inc.
 3551 Cypert Way
 Ardmore, OK 73401



Invoice

Date	Invoice #
3/17/2005	2514

Bill To

Ship To

Quantity	Description	Price Each	Amount
	1.5 KW Chrome Starter		0.00
	32 amp High Duty Charging System for 70 and up		0.00
	Upper Motor Mount Kit		0.00
	Motor Mount Kit Fits FXST 84 and later		0.00
	Transmission Mount Kit		0.00
	Chrome Oil filter mount and filter		0.00
	Ultima 12T Polished Engine Package for Left Side Drive		8,195.00
	1 SMW124 90up Softail BDL Sickle Billet Belt Cover	0.00	0.00
	1 SHIPPING AND HANDLING	250.00	250.00
	No Tax	0.00%	0.00

THANK for your business 580-224-2888

www.southern-mc.com

Total	\$13,440.00
Payments/Credits	\$-13,440.00
Balance Due	\$0.00

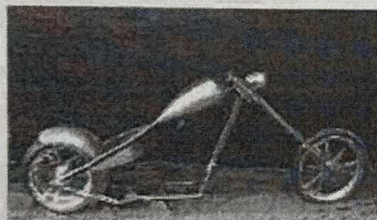
Rolling Chassis



[Click For Larger Image](#)



[Click For Larger Image](#)



Chop King Deluxe \$3595

- 250 Rigid Frame Single Downtube
- 45 degrees of Rake 1.375" and 1.5" Chromoly Tubing
- 6" Stretch in the Downtubes and 4" Stretch in the Backbone
- Chrome Billet Triple Trees
- Internal Stopping Neck Cups
- Chrome SunMyth Front Forks
- Choice of 18 x 8 .5" and 21 x 2.15" Polished Billet SMW, Inc. Wheels
- 11" Wide SMW, Inc. Rigid Fender
- Chrome Stretched Headlight
- 4" Stretched Mainstream Teardrop Steel Tank
- Raw Horseshoe Center Fill Oil Tank
- 250/18 Avon Venom Tire
- 90/90/21 Front Avon Tire
- Front Wheel Spacers
- All Hardware and Bearings to complete this Rolling Chassis

www.ultimaproducts.com



A
Barrel
Chested
Brute of
a Motor
To Power
Your Bike

100 C.I.

113 C.I.

120 C.I.

127 C.I.

El Bruto

Experience Brute Excess. Our El Bruto® Engines are the most powerful EVO configurations of these sizes. Available with custom styling and low price these are a BEST VALUE product. These brutes have features which insure long life and pure riding enjoyment for those who need ultimate performance. Also available as Long Blocks.

Distributed exclusively by
Midwest Motorcycle Supply

MIDWEST
Motorcycle Supply

100 C.I. = 110 HP w/ 115 LB FT Torque
113 C.I. = 120 HP w/ 125 LB FT Torque
120 C.I. = 125 HP w/ 130 LB FT Torque
127 C.I. = 135 HP w/ 140 LB FT Torque

Ask your dealer for Ultima® Products
See Ultima® Products at: www.ultimaproducts.com

Reader Service No. 46

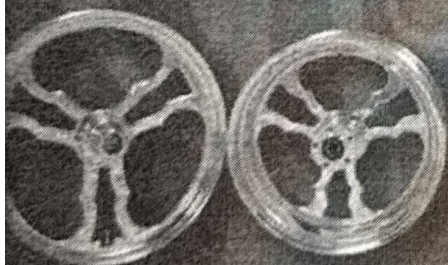


SMW

Incorporated



Multiple Chassis' To Choose From



SMW Forged Billet Wheels



Complete Line Of
SMW Billet Products
Belt Drives, Belt Covers
& More...



COMPLETE DRIVELINE KITS

Starting At \$5495.00

All Hardware, Engine & Carb, Open Or Closed Primary,
6 Speed Trans., Ignition, Starter,
Charging System Oil Filter Kit

2006 EPA Certified

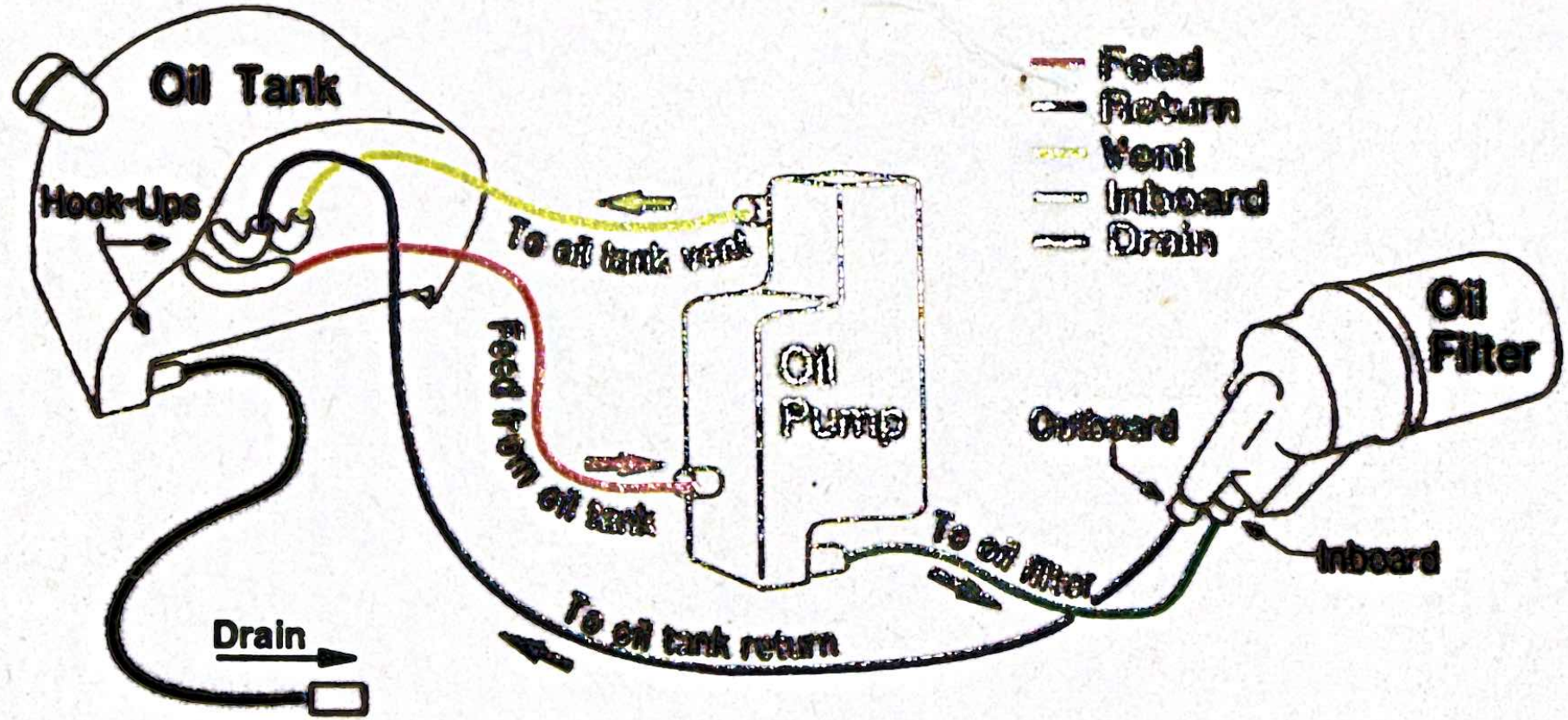
580-224-2888

www.southern-mc.com

TOP

OLE

WARNING: Use your proper service manual for specific oil tank hook-ups.
Oil Tank Shown: Typical Softail Oil Tank '89-'99





ENGINES

Start-up & Break-in Procedures



General Specifications

BELT DRIVES LTD

INSTALLATION GUIDE FOR ALL BDL BELT DRIVES

- Page 2** **Warranty**
- Page 3** **Introduction**
- Page 4** **Belt tracking and starter gear problems**
- Page 5** **Alignment procedure for Softail & Shovelhead**
- Pages 6-9** **Installation for Bolt in belt drives for 1986-up models**
(Kit numbers EVB-1T, EVB-1S, EVB-1SL, EVB-2T, EVB-2S, EVB- 2S)
- Page 10** **Installation for Bolt in belt drives for 1970- 1983 models**
(Kit numbers EVB-3T-4, EVB-3T-5)
- Page 11** **Replacement parts for EVB & 3 belt drives**
- Pages 12-13** **3 electric start drives for 1986-up Softail & FXR**
(Kit numbers EVO-9T, EVO-9S, EVO-9SF, EVO-11S)
- Pages 14-15** **3 electric start drives for Dyna models.**
(Kit number EVO-12S)
- Pages 16-17** **3 electric start drives for 1970-78 Shovelhead**
(Kit numbers EVO-10S, EVO-10ST, EVO-10SF, EVO-10STF)
3 kick start drives with BDL clutch
(Kit numbers EVO-4S, EVO-4T, EVO-5S, EVO-5T, EV-76-47S, EV-76-47T, EV-72-47)
- Page 18** **Replacement parts for all 3 electric start kits**
- Page 19** **4 speed drives using stock HD clutch 1936-84 models**
4 speed 2 & 3 open drives using stock HD clutch 1936-84
- Page 20** **Replacement parts for 4 speed kits using stock clutch**
- Pages 21-24** **Top Fuel 14mm Drive (Kit numbers TF-1000, TF-2000)**
- Pages 25-32** **Schematic drawings of pulleys & kits**

Instruction Sheet 51-1012
Revised 7-12-04

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Website: www.sscycle.com



Because every industry has a leader

Installation and Jetting Instructions for S&S Super E and G Series "Shorty" Carburetors

SAFE INSTALLATION AND OPERATION RULES:

Before installing your new S&S Super carburetor it is your responsibility to read and follow the installation and maintenance procedures in these instructions and follow the basic rules below for your personal safety.

- Gasoline is extremely flammable and explosive under certain conditions and toxic when breathed. Do not smoke. Perform installation in a well ventilated area away from open flames or sparks.
- If motorcycle has been running, wait until engine and exhaust pipes have cooled down to avoid getting burned before performing any installation steps.
- Before performing any installation steps disconnect battery to eliminate potential sparks and inadvertent engagement of starter while working on electrical components.
- Read instructions thoroughly and carefully so all procedures are completely understood before performing any installation steps. Contact S&S with any questions you may have if any steps are unclear or any abnormalities occur during installation or operation of motorcycle with S&S carb on it.
- Consult an appropriate authorized H-D service manual for correct disassembly and reassembly procedures for any parts that need to be removed to facilitate installation.
- Use good judgement when performing installation and operating motorcycle. Good judgement begins with a clear head. Don't let alcohol, drugs or fatigue impair your judgement. Start installation when you are fresh.
- Be sure all federal, state and local laws are obeyed with the installation.
- For optimum performance and safety and to minimize potential damage to carb or other components, use all mounting hardware that is provided and follow all installation instructions.
- To prevent possible engine flooding and overspill of gasoline on surrounding area which is a fire hazard, make sure float settings are correct and carburetor needle and seat assembly works freely and shuts off supply of gasoline after installation is completed. Always shut off fuel petcock when engine is not running.
- Be sure all fuel lines, supply and overflow, are routed correctly and fuel line clamps are in place and tightened. Lines must not contact exhaust pipes or other extremely hot surfaces where they could melt or leak and catch fire.
- Before starting engine and riding motorcycle, be sure throttle opens and closes smoothly. Turn handlebars to left and test throttle. Then, turn bars to right and test throttle. To avoid possible loss of control of motorcycle and potential personal injury to yourself or others due to throttle sticking in open position, throttle must work smoothly and return to a fully closed position when hand is removed from throttle grip.
- Motorcycle exhaust fumes are toxic and poisonous and must not be breathed. Run motorcycle in a well ventilated area where fumes can dissipate.

IMPORTANT NOTICE:

Statements in this instruction sheet preceded by the following words are of special significance.

WARNING

Means there is the possibility of injury to yourself or others.

CAUTION

Means there is the possibility of damage to the carburetor or motorcycle.

NOTE

Other information of particular importance has been placed in italic type.

S&S recommends you take special notice of these items.

WARRANTY:

All S&S parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of twelve (12) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at S&S's option if the parts are returned to us by the purchaser within the 12 month warranty period or within 10 days thereafter.

In the event warranty service is required, the original purchaser must call or write S&S immediately with the problem. Some problems can be rectified by a telephone call and need no further course of action.

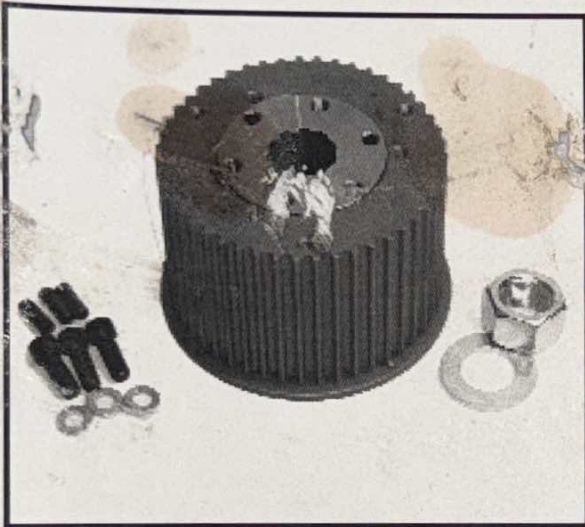
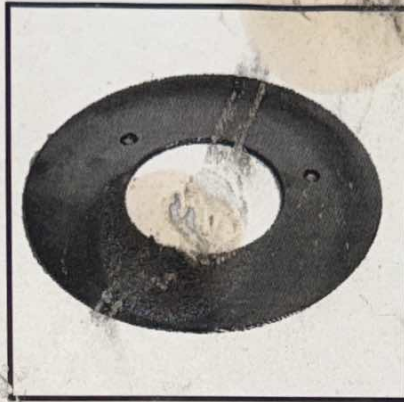
A part that is suspect of being defective must not be replaced by a Dealer without prior authorization from S&S. If it is deemed necessary for S&S to make an evaluation to determine whether the part was defective, a return authorization number must be obtained from S&S. The parts must be packaged properly so as to not cause further damage and be returned prepaid to S&S with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. If after an evaluation has been made by S&S and the part was found to be defective, repair, replacement or refund will be granted.

ADDITIONAL WARRANTY PROVISIONS:

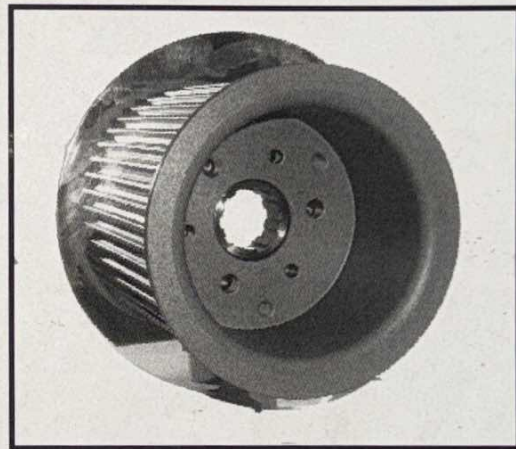
- (1) S&S shall have no obligation in the event an S&S part is modified by any other person or organization.
- (2) S&S shall have no obligation if an S&S part becomes defective in whole or in part as a result of improper installation, improper maintenance, improper use, abnormal operation, or any other misuse or mistreatment of the S&S part.
- (3) S&S shall not be liable for any consequential or incidental damages resulting from the failure of an S&S part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in non-conforming condition, or for any other breach of contract or duty between S&S and a customer.
- (4) S&S parts are designed exclusively for use in Harley-Davidson motorcycles. S&S shall have no warranty or liability obligation if an S&S part is used in any other application.

Installation supplement for 3" belt drive

Alternator cover polished on one side



Pulley pictured with stock insert

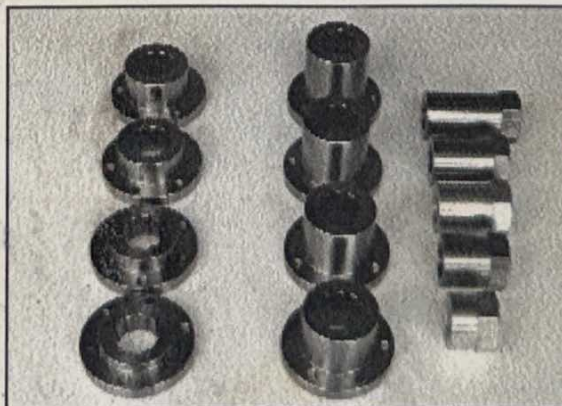


Install alternator cover onto back side of pulley with the 3 button head bolts supplied.

BEFORE INSTALLING THE INSERT, BE SURE THAT YOU DO NOT REQUIRE AN OFFSET FRONT PULLEY FOR A WIDE TIRE, OFFSET TRANSMISSION APPLICATION. THIS PULLEY CAN BE USED FOR AN OFFSET APPLICATION WITH THE PROPER INSERT. OFFSET INSERT KITS ARE AVAILABLE FROM 1/4" TO 2"

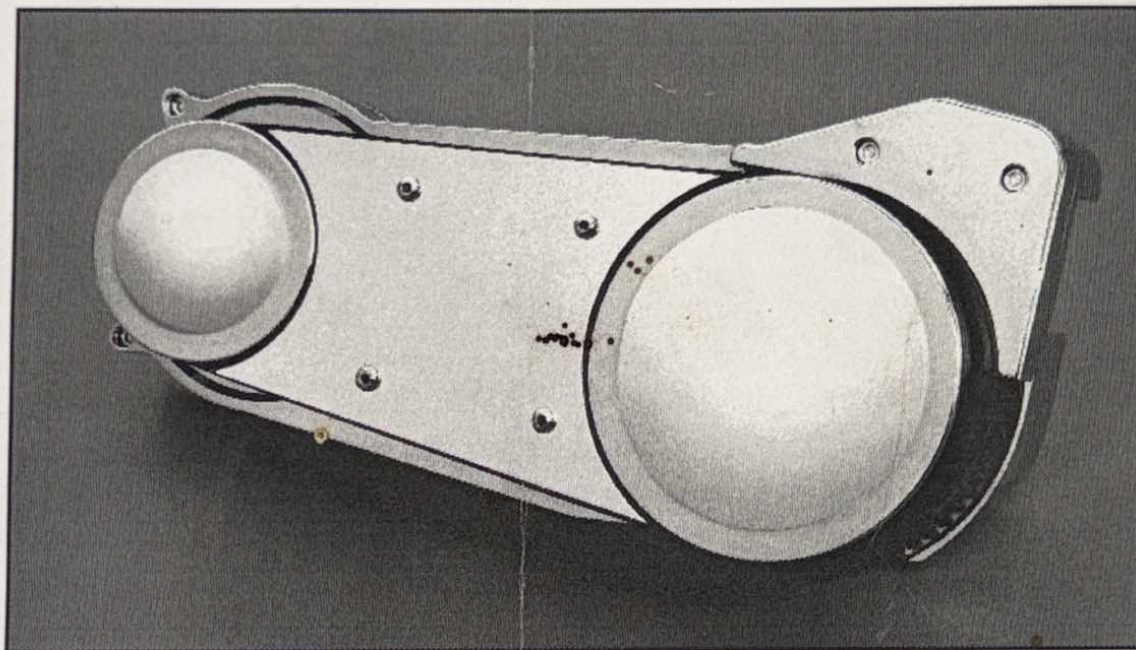
- 1-Place insert into pulley as shown.
- 2-Using a drift punch or press, install the 3- 1/4" roll pins into the 3 unthreaded smaller holes on the insert from the top side of pulley.
- 3-From the inside, install and loctite bolts and washers so that they are secure.
- 4-Install front pulley assembly in accordance with installation instructions supplied with belt drive.

Pictured to the right are BDL's insert kits which can be used with this pulley.



IN-250 1/4"
IN-500 1/2"
IN-750 3/4"
IN-1000 1"
IN-1250 1-1/4"
IN-1500 1-1/2"
IN-1750 1-3/4"
IN-2000 2"

WARNING: Use of this insert is at the users discretion. BDL assumes no responsibility for the use of this insert. It is the user's responsibility to determine if the extension of the pulley is safe, practical and prudent.



FOR PERMANENT INSTALLATION USE THE ENCLOSED ADHESIVE STRIPS, CLEAN THE SURFACES WITH 50/50 ALCOHOL AND WATER. APPLY STRIPS TO THE INSIDE OF THE COVERS. CLEAN SURFACE OF THE PULLEY FLANGE USING THE 50/50 ALCOHOL AND WATER THEN SCOUR THE SURFACES USING SCOTCH BRITE UNTIL THE SURFACE IS SOMEWHAT POROUS THEN CLEAN THE SURFACE AGAIN. APPLY COVERS TO PULLEYS. DO NOT ATTEMPT TO WORK WITH THE ADHESIVE IF TEMPERATURE IS LESS THAN 68 DEGREES, DOING SO MAY INTERFERE WITH PROPER BONDING. ENCLOSED ARE 8-32 X 3/16 STAINLESS BUTTONHEAD SCREWS, WHICH MAY BE USED INSTEAD OF THE ADHESIVE STRIPS. USE A #29 DRILL AND AN 8-32 TAP. BE SURE TO USE RED LOCTITE WHEN INSTALLING THE SCREWS.

NOTE: TO REMOVE THE ADHESIVE STRIPS SPRAY SOME WD 40 OR CARB CLEANER INTO THE SLIGHT OPENING WERE THE COVER AND PULLEY COME TOGETHER.

BELT DRIVES LTD. WARRANTY REGISTRATION CARD

Under the terms of the limited warranty issued by BELT DRIVES LTD. the customer must return this warranty registration card within 15 days of purchase to qualify for warranty coverage.

There is NO WARRANTY on belts or open 2" and 3" belt drives.

BDL part no. _____ Date of purchase _____

Name _____

Address _____

City _____ State _____ Zip _____ Ph.# _____

Year _____ Model _____ Motor I.D.# _____ Mileage _____

Shop Name _____ Date Installed _____

Address _____ Ph# _____

Signature of Installer _____ Date _____

Signature of Purchaser _____ Date _____



