



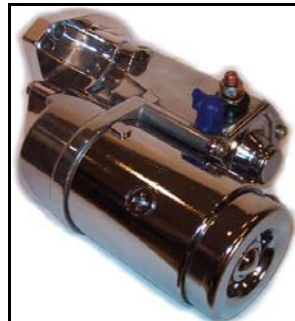
**HIGH-TORQUE, GEAR
REDUCTION STARTERS,
DESIGNED AND ENGINEERED
TO START BIG INCH, HIGH
COMPRESSION MOTORS.**



Electric Start Kits



AVAILABLE FOR ANY MODEL H-D



LATE MODELS 89-UP

- ONE PIECE MOUNTING PLATE/GEAR BOX
- AVAILABLE WITH 1/4-20 OR 10-32 JACK SHAFT TAP
- AVAILABLE IN SHOW QUALITY CHROME FINISH
- AVAILABLE UP TO 2.6HP
- INCLUDES HEAVY DUTY BATTERY CABLE AND CONNECTORS



EARLY SPORTSTER

**SPORTSTER MODELS
67-UP**

- REPLACES FACTORY SOLENOID
- SHORTER STARTER MOTOR TO FIT TIGHT APPLICATIONS
- LATE MODEL AVAILABLE UP TO 2.0KW
- AVAILABLE IN NATURAL OR POLISHED FINISHES

LATE SPORTSTERS



SHOVEL HEAD

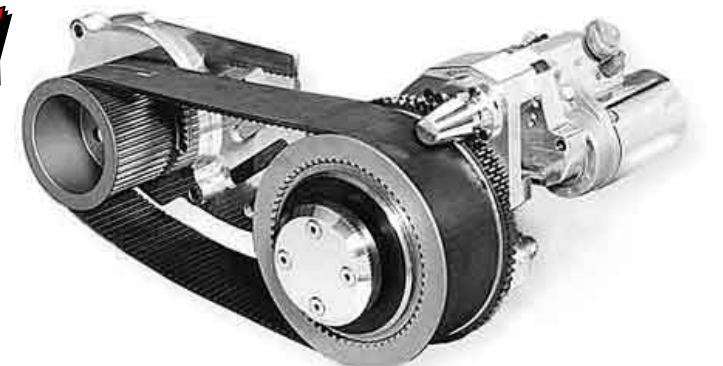
EARLY MODELS 65-88

- INTELLIGENT 3 GEAR REDUCTION SYSTEM
- REPLACES FACTORY GEAR REDUCTION SYSTEM
- AVAILABLE IN NATURAL OR POLISHED /CHROME FINISHES
- AVAILABLE IN 1.4KW OR 2.0KW SIZES

EARLY EVO

**#1 RATED STARTERS ON
THE MARKET!!!**

**4 SPEED OPEN PRIMARY
ELECTRIC START KIT**



- KITS AVAILABLE FOR RATCHET OR ROTARY TOP TRANSMISSIONS FROM 1965-1984 .
- KITS AVAILABLE FOR USE ON SPUTHE TYPE TRANSMISSIONS (5 SPEED IN A 4 SPEED BOX)
- KIT CAN BE USED WITH OR WITHOUT OPTIONAL GREAT PLATE SHOWN BELOW. (MOTOR TO TRANSMISSION PLATE).
- OPTIONAL ALTERNATOR COVER IS AVAILABLE.
- STANDARD KIT INCLUDES BEARING SUPPORT PLATE, NOSE CONE SUPPORT ASSEMBLY, RING GEAR AND ADAPTER AND HIGH TORQUE GEAR REDUCTION STARTER (EVO STYLE).
- KIT CAN BE USED WITH MOST BELT DRIVES OR TECH CAN SUPPLY A BELT DRIVE SYSTEM WITH YOUR KIT.

Warranty Information

ALL ITEMS INTENDED TO BE RETURNED TO TECH CYCLE PERFORMANCE PRODUCTS, INC. **MUST** FIRST RECEIVE AN "RGA" NUMBER FROM TECH. THE "RGA" NUMBER **MUST BE** DISPLAYED ON THE EXTERIOR OF THE SHIPPING CONTAINER.

WARRANTY:

UNCONDITIONAL NINETY (90) DAY WARRANTY. AT TECH'S DISCRETION, STARTERS WILL BE REPAIRED OR REPLACED FREE OF CHARGE. TECH IS NOT RESPONSIBLE FOR SHIPPING AND HANDLING CHARGES. POTENTIAL WARRANTY ITEMS **WILL NOT** BE REPAIRED OR REPLACED WITHOUT FIRST RETURNING THE DEFECTIVE PART(S) TO TECH ALONG WITH THE ORIGINAL INVOICE FOR INSPECTION.

REFUNDS:

IF THE UNIT IS RETURNED WITHIN TEN (10) DAYS OF SHIPMENT FROM TECH AND HAS NOT BEEN ALTERED OR DEFACTED IN ANY WAY, (I.E. PAINTED, PLATED, DAMAGED, ETC...) A REFUND WILL BE ISSUED FOR THE COST OF THE PRODUCT SOLELY. AFTER TEN (10) DAYS, A TWENTY-FIVE (25) PERCENT (%) RESTOCKING FEE WILL BE IMPOSED. AFTER FIFTEEN (15) DAYS, THE PURCHASER WILL BE ISSUED A MERCHANDISE CREDIT ONLY.

IMPORTANT!!! DO NOT BENCH TEST STARTER!!!

ALL STARTERS HAVE BEEN TESTED BY TECH PRIOR TO PACKAGING. BENCH TESTING STARTERS IMPROPERLY WILL RESULT IN DAMAGE TO THE STARTER GEARS AND GEARBOX.

TECH CYCLE PERFORMANCE PRODUCTS, INC. **WILL NOT WARRANTY ANY STARTER THAT HAS BEEN DAMAGED IN THIS MANNER!!!**



KIT IS SHOWN WITH OPTIONAL SLOTTED GREAT PLATE, ALTERNATOR COVER WITH TIMING MARKS, 3" BELT DRIVE WITH PRO-CLUTCH AND BILLET REAR PULLEY COVER.



OPTIONAL SOLID GREAT PLATE SHOWN WITH OPTIONAL ALTERNATOR COVER WITH TIMING MARKS FOR EASE OF TIMING YOUR MOTOR.



OPTIONAL SLOTTED GREAT PLATE SHOWN WITH OPTIONAL SOLID ALTERNATOR COVER .

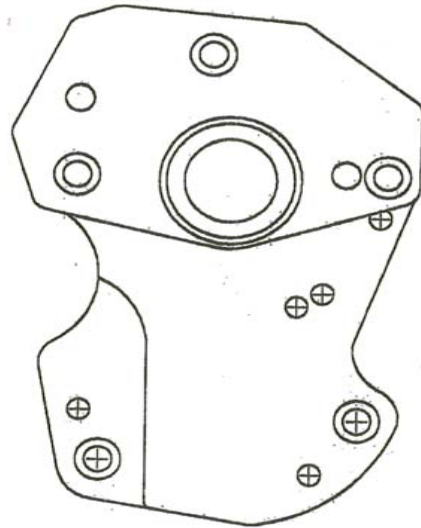
TECH CYCLE PERFORMANCE PRODUCTS INC.
1850 COUNTY LINE ROAD, SUITE 205, HUNTINGDON VALLEY, PA 19006
PHONE: (215) 357-4333 FAX: (215) 357-4334 EMAIL: INFO@TECHCYCLE.COM
WWW.TECHCYCLE.COM

Electric Start Kit Installation

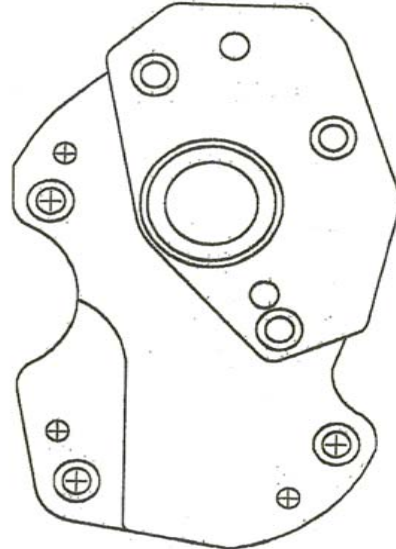
Tech Cycle Electric Start Kits are designed to fit stock applications. Aftermarket frames, primaries, engine shafts, or clutch hubs may cause some minor installation difficulties.

- Replace stock oil tank with an electric start model.
- Remove clutch cable and clutch arm.
- Place starter assembly under the oil tank and inside of the frame.
- Mount Bearing Support Plate to the transmission case using the four (4) 3/8-16 x 1 1/2 SHCS.
- Mount Starter to Bearing Support Plate and secure using the two (2) 5/16-18 x 1 1/2 SHCS.
- Assemble and install the belt drive following the manufacturer's instructions.
- Bend the clutch arm to allow for clearance of the starter and install.
- Attach clutch cable and check for proper adjustment.
- Install battery cables and starter switch using a starter relay as shown on the following page.
- **Important:** A battery with at least 255 cold cranking amps must be used with the standard 1.4kw starter.

Starter Mounting Position



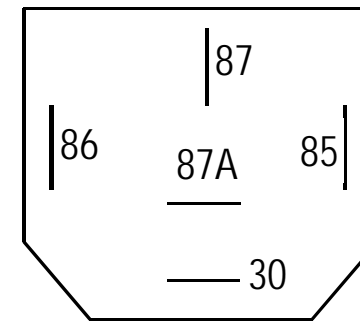
Rigid



Swingarm

TECH CYCLE'S UNIQUE STARTER DESIGN ALLOWS THE STARTER TO BE ROTATED AND MOUNTED IN FOUR DIFFERENT POSITIONS. THE TYPICAL RIGID AND SWINGARM MOUNTING POSITIONS ARE SHOWN ABOVE.

Wiring Diagram



Standard Starter Relay

Terminal #30 - To 12V Power w/Fuse

Terminal #85 - To Ground

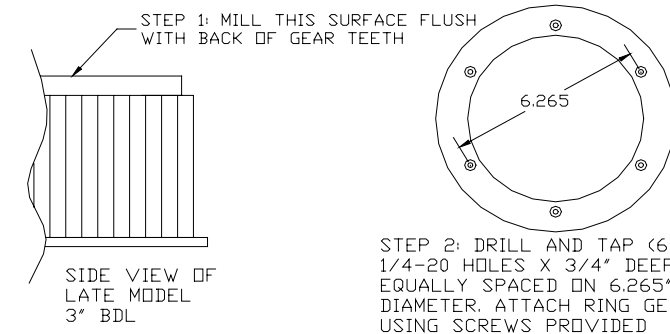
Terminal #86 - To Starter Button

Terminal #87 - To Solenoid Switch Terminal

Terminal #87A - Unused

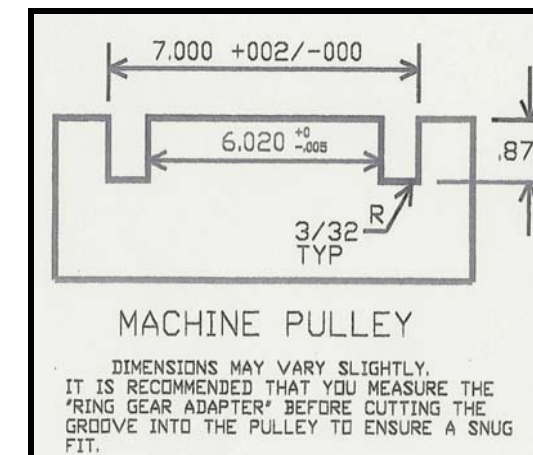
Ring Gear Installation

RING GEAR INSTALLATION INSTRUCTIONS:
LATE MODEL 3" BDL



NOTE: THERE SHOULD BE APPROXIMATELY 1/16"-1/8" BETWEEN THE BEARING SUPPORT PLATE AND THE BACK OF THE RING GEAR WHEN THE CLUTCH/REAR PULLEY ASSEMBLY IS PLACED ON TRANSMISSION MAIN SHAFT.

Late Model BDL



Primo w/Tapered Groove

NOTE: THERE SHOULD BE APPROXIMATELY 1/16"-1/8" BETWEEN THE BEARING SUPPORT PLATE AND THE BACK OF THE RING GEAR WHEN THE CLUTCH/REAR PULLEY ASSEMBLY IS PLACED ON TRANSMISSION MAIN SHAFT.