



REVISED STARTING  
SERIAL # 240310047

## PARTS LIST MANUAL MODEL TG-10



**GASOLINE**



**PROPANE**



**ELECTRIC**



### 10" TURBO GRINDERS

| SKU #     | MODEL # | POWER OPTION                                     |
|-----------|---------|--------------------------------------------------|
| 56600     | TG-10G  | HONDA GASOLINE ENGINE MODEL GXV390               |
| 56700     | TG-10P  | PUREPOWER AZTEC / HONDA PROPANE ENGINE 390cc 12V |
| 56900     | TG-10E  | BALDOR ELECTRIC MOTOR 5HP 1PH 60Hz 230V          |
| 56800-230 | TG-10E  | BALDOR ELECTRIC MOTOR 5HP 3PH 60Hz 230V          |
| 56800-460 | TG-10E  | BALDOR ELECTRIC MOTOR 5HP 3PH 60Hz 460V          |

**READ AND UNDERSTAND THE OPERATOR'S SAFETY MANUAL THOROUGHLY  
BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.**

Death or serious injury could occur if this machine is used improperly.

Machine specific Operator's Instruction Manuals are offered at [edcoinc.com/customer-support/parts-and-manuals](http://edcoinc.com/customer-support/parts-and-manuals)  
READ AND UNDERSTAND THE ENGINE MANUFACTURERS INSTRUCTIONS AND OPERATORS MANUAL BEFORE OPERATION.



### EQUIPMENT DEVELOPMENT COMPANY, INC.

100 Thomas Johnson Drive, Frederick, MD 21702-4600 USA

Phone: 800-638-3326 or 301-663-1600 • Fax: 800-447-3326 or 301-663-1607

Website: [www.edcoinc.com](http://www.edcoinc.com) • E-mail: [techsupport@edcoinc.com](mailto:techsupport@edcoinc.com)

Printed in USA  
JWA ©2024

**SAFETY INFORMATION****SAFETY MESSAGES**

• Safety Instructions are preceded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.



Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

**GASOLINE / PROPANE POWERED EQUIPMENT**

• Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



• Tilting a gasoline powered machine fitted with an EPA approved vented charcoal filter gas cap, beyond 20° can cause fuel leakage. If a leak occurs, do not start or run the engine until the leak is fixed. Eliminate all other ignition sources in the immediate area (no smoking, flares, sparks or flames). Use approved gasoline absorbing material to contain the fuel leakage. Then use clean, non-sparking tools to collect absorbed materials then dispose of these contaminants properly.



• Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.

• Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, head-ache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.

- Never refuel a hot engine or an engine while it is running.
- Engines are shipped from factory without fuel/oil.



• Propane is extremely flammable and is heavier than air and tends to settle in low areas where a spark or flame could ignite gas. DO NOT start or operate this propane engine in a poorly ventilated area where leaking propane gas could accumulate and endanger safety of persons in area. If headache develops, shut off machine. Have it checked for carbon monoxide emissions by a qualified technician before using it again. To ensure personal safety, installation and repair of propane fuel supply systems must be performed only by qualified technicians. Carbon monoxide emissions from this machine are greatly increased due to a dirty combustion air cleaner.

**ELECTRICAL POWERED EQUIPMENT**

Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- Check all electrical cables - be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- NOTE: In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a qualified electrician install the proper receptacle.

**ELECTRICAL POWERED EQUIPMENT CONTINUED**

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servicing.
- Switch motor OFF before disconnecting power.
- Never use frayed, damaged, taped or under rated extension cords. Electrical shock could result in death or serious injury to the operator and damage to the equipment.
- Assure you are using the proper extension cord length.

**GENERAL INSTRUCTIONS**

- Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the operators' responsibility to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc. Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.
- This equipment is intended for commercial use only.
- For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.



- Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection **MUST** be used when operational noise levels of this equipment may exceed 85db. Eye protection **MUST** be worn at all times.



Keep body parts, loose clothing and accessories away from moving parts. Failure to do so could result in dismemberment or death.

- Do not modify the machine.
- Stop motor/engine when adjusting or servicing this equipment. Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.

**DUST WARNING**

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects, or other reproductive harm. Materials being removed can be toxic or hazardous. A breathing respirator is required to help protect the operator. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, concrete and other masonry products. Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrial-style vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.
- See more on the importance of dust prevention and silica warnings at: [osha.gov/silica](http://osha.gov/silica)
- More concrete and silica dust suppression training and educational materials available at [edcoinc.com/silica-standards](http://edcoinc.com/silica-standards) or scan the QR code on page 5.
- Written exposure plans are provided at <http://www.edcoinc.com/written-exposure-control-plans/>

# PARTS LIST MANUAL

## MODEL TG-10

### Magna-Trap® 10" Turbo Grinders

#### TABLE OF CONTENTS

| <u>Section</u>                                                       | <u>Page Number</u> |
|----------------------------------------------------------------------|--------------------|
| Safety Information .....                                             | 2                  |
| How To Order Replacement Parts .....                                 | 3                  |
| Illustration 1: Main Grouping .....                                  | 4, 5               |
| Illustration 2: Leveling System Grouping .....                       | 6                  |
| Illustration 3: Water Valve Grouping .....                           | 7                  |
| Illustration 4: Head Assembly with Bearing .....                     | 8                  |
| Illustration 5: Bearing Hub Assembly .....                           | 9                  |
| Illustration 6: Rigid Head Assembly (Standard) .....                 | 10                 |
| Illustration 7: Flex Head Assembly (Optional) .....                  | 11                 |
| Illustration 8: Optional Ball Caster Depth Stop Kit .....            | 12                 |
| Illustration 9: Optional Lifting Bail Assembly .....                 | 13                 |
| Illustration 10: Gasoline Engine & Belt Drive Grouping .....         | 14, 15             |
| Wiring Diagram for Gasoline Model .....                              | 17                 |
| Illustration 11: Propane Engine & Belt Drive Grouping .....          | 18, 19             |
| Illustration 12: Propane Tank Grouping .....                         | 20, 21             |
| Illustration 13: Muffler Guard, Heat Shield & Battery Grouping ..... | 22, 23             |
| Illustration 14: Propane Engine Grouping .....                       | 24, 25             |
| Wiring Assemblies .....                                              | 26                 |
| Wiring Diagram for Propane Model .....                               | 27                 |
| Illustration 15: Single-Phase Motor & Belt Drive Grouping .....      | 28, 29             |
| Wiring Diagram for Rotary Cam Switch (Single Phase) .....            | 30                 |
| Wiring Diagram for 1 Phase 60 Hz Motor - Baldor L3608TM .....        | 31                 |
| Illustration 16: Three-Phase Motor & Belt Drive Grouping .....       | 32, 33             |
| Illustration 17: Starter Assembly .....                              | 34                 |
| Wiring Diagram for Starter (Three Phase) .....                       | 35                 |
| Wiring Diagram for 3 Phase 60 Hz Motor - Baldor EM3613T .....        | 36                 |
| Decal Sheet .....                                                    | 37                 |
| Decals Continued .....                                               | 38                 |
| Limited Equipment Warranty of Sale .....                             | 39                 |
| STOP - Before Using This Product .....                               | 40                 |

#### HOW TO ORDER REPLACEMENT PARTS

- ☐ To insure product safety and reliability, always use genuine EDCO replacement parts when making repairs to the equipment.
- ☐ When calling for parts, specify the MODEL and SERIAL number of the machine, which can be found on the NAME PLATE. Keep that information in the space provided. In addition to this information, give part number, description, and quantity as listed on the parts list to your parts representative.
- ☐ Please note: Due to improvements and changes in the equipment, the illustrations shown may be different than the actual machine.

#### FILL IN INFORMATION BELOW

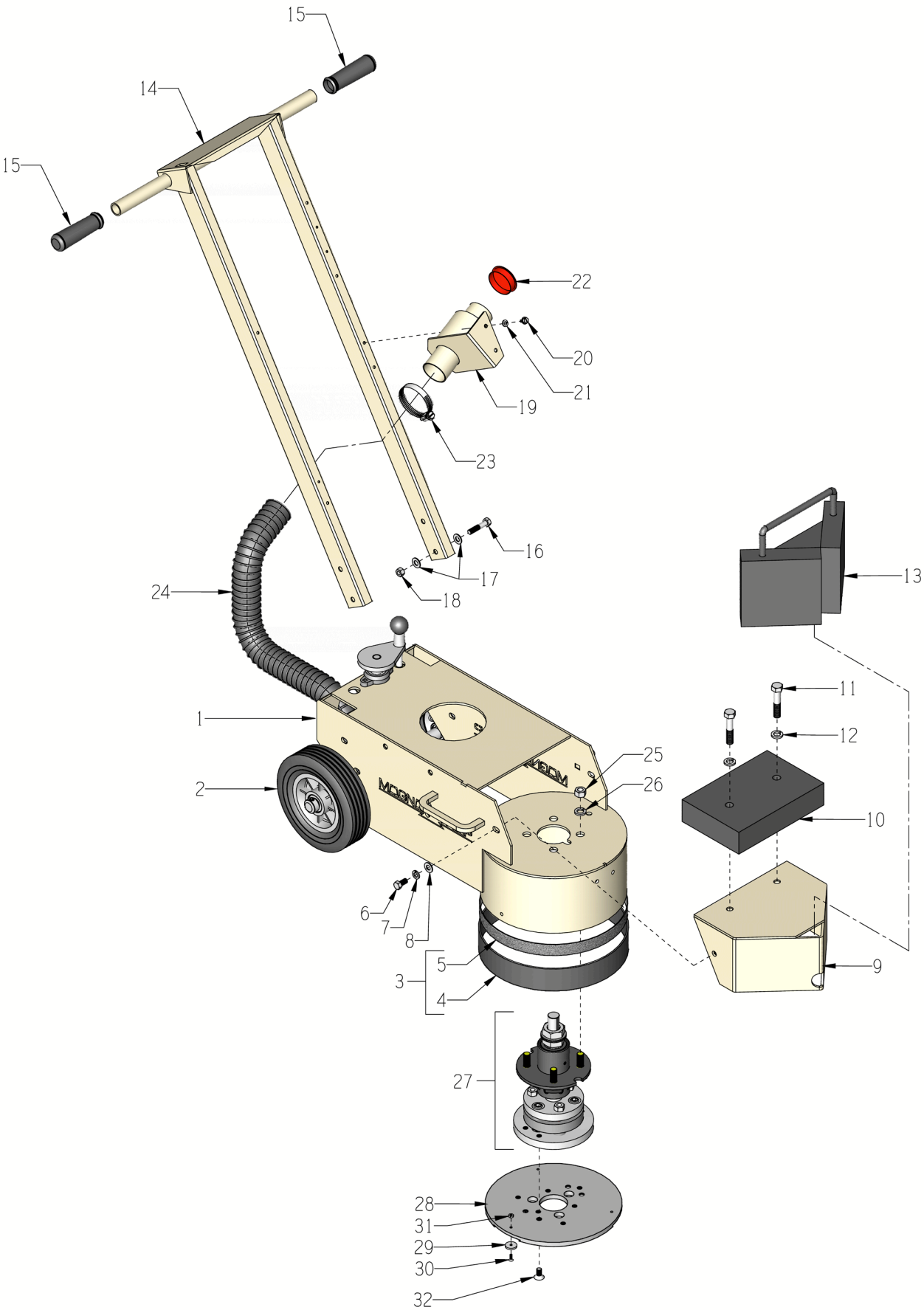
Date of Purchase \_\_\_\_\_

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

SKU # \_\_\_\_\_

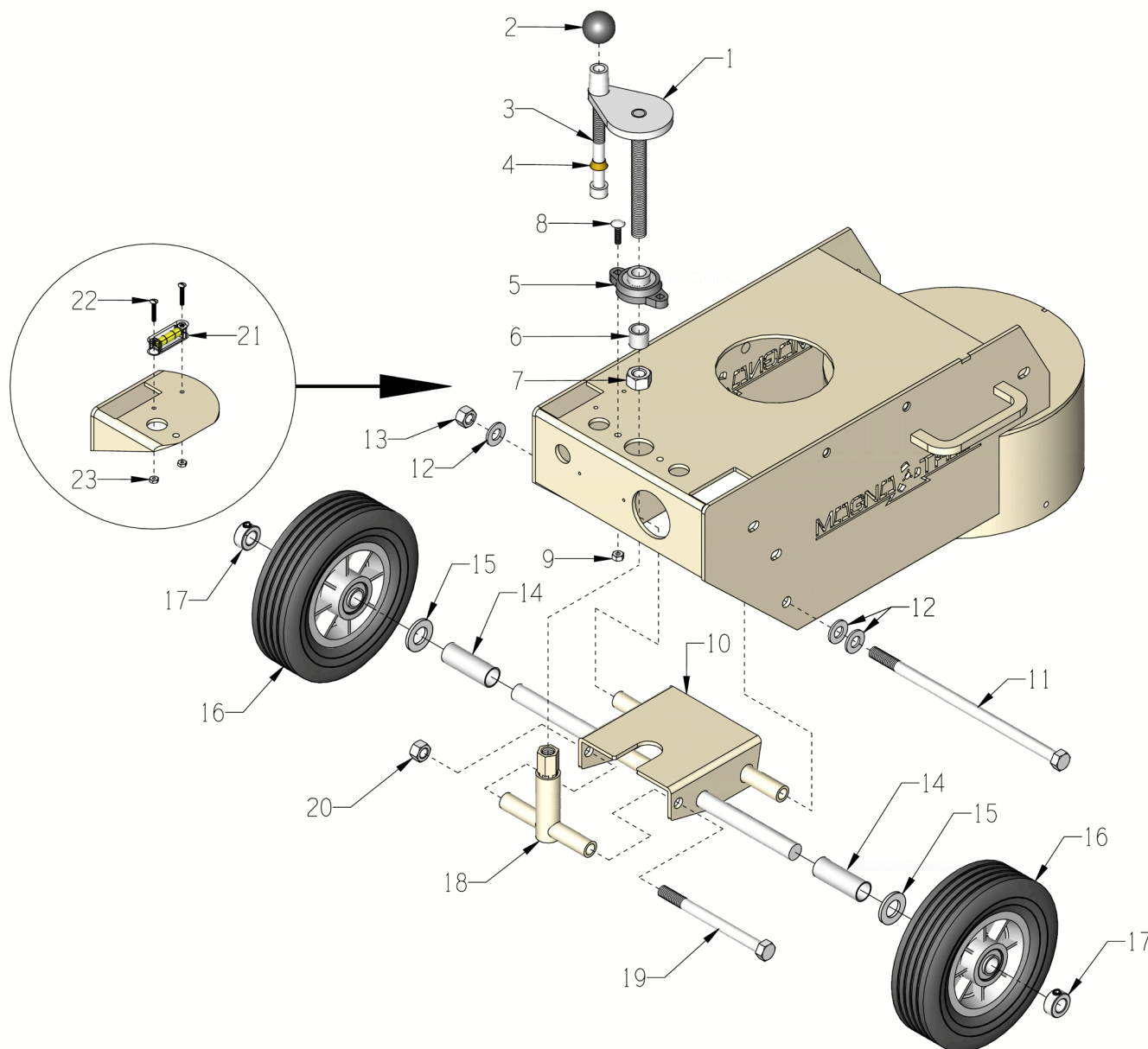
ILLUSTRATION 1: MAIN GROUPING





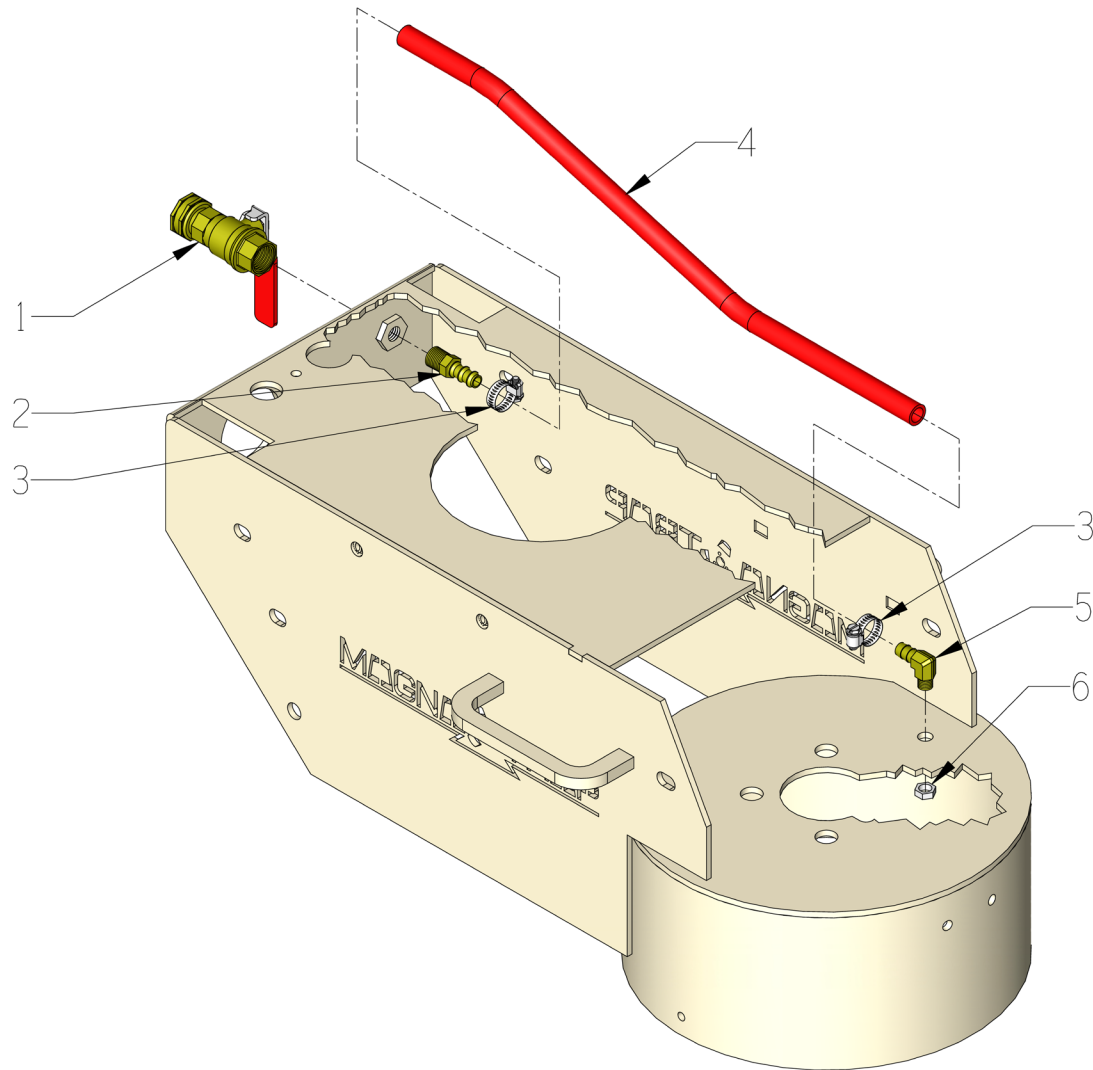
| PARTS LISTING - ILLUSTRATION 1: MAIN GROUPING |                      |                                                                                                                                       |      |
|-----------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------|------|
| ITEM #                                        | PART #               | DESCRIPTION                                                                                                                           | QTY. |
| 1                                             | 86701                | MAIN FRAME, TG-10                                                                                                                     | 1    |
| 2                                             | -----                | LEVELING SYSTEM (REFER TO ILLUS. 2 FOR BREAKDOWN)                                                                                     | -    |
| 3                                             | 86426K               | RUBBER SKIRT W/ VELCRO LOOP & HOOK<br>(INCLUDES ITEMS 4 & 5 TOGETHER)                                                                 | 1    |
| 4                                             | 86426                | RUBBER SKIRT W/ VELCRO-LOOP 39-1/8"<br>NOTE: CUT TO 36"                                                                               | 1    |
| 5                                             | 86427                | VELCRO-HOOK ONLY, 1" X 39" (TRIMMED TO SIZE)<br>NOTE: THIS PIECE IS PLACED AROUND THE BOTTOM EDGE OF THE SHROUD. USE CONTACT CEMENT.  | 1    |
| 6                                             | 10907                | SCREW, CAP 3/8-16 X 3/4                                                                                                               | 2    |
| 7                                             | 10811                | WASHER, LOCK 3/8 ZINC                                                                                                                 | 2    |
| 8                                             | 10025                | WASHER, FLAT 3/8 SAE ZINC                                                                                                             | 2    |
| 9                                             | 86303                | HOOD, TG-10                                                                                                                           | 1    |
| 10                                            | 86345                | WEIGHT BLOCK, 30 LB. (STANDARD ON ELECTRIC TG-10E ONLY)                                                                               | 1    |
| 11                                            | 10323                | SCREW, CAP 1/2-13 X 2-1/2                                                                                                             | 2    |
| 12                                            | 10045                | WASHER, LOCK 1/2 ZINC                                                                                                                 | 2    |
| 13                                            | 86340                | WEIGHT, 30 LB., TG-10 (OPTIONAL)                                                                                                      | 1    |
| 14                                            | 86304                | HANDLE BAR, TG-10                                                                                                                     | 1    |
| 15                                            | 10608                | GRIP, HAND 1" MODEL AT                                                                                                                | 2    |
| 16                                            | 10029                | SCREW, CAP 3/8-24 X 1-3/4                                                                                                             | 4    |
| 17                                            | 10025                | WASHER, FLAT 3/8 SAE ZINC                                                                                                             | 8    |
| 18                                            | 10058                | NUT, HEX LOCK 3/8-24 W/ NYLON PATCH                                                                                                   | 4    |
| 19                                            | 86347                | BRACKET, MULTI-VAC PORT 2-3"                                                                                                          | 1    |
| 20                                            | 10846                | SCREW, CAP STSHW 1/4-20 X 5/8                                                                                                         | 2    |
| 21                                            | 10038                | WASHER, LOCK 1/4 ZINC                                                                                                                 | 2    |
| 22                                            | 65021                | CAP/PLUG 2" RED PLASTIC, FLANGED                                                                                                      | 1    |
| 23                                            | 10766                | CLAMP, HOSE, SAE #32, ADJ. TO 2-1/2                                                                                                   | 2    |
| 24                                            | 77113                | HOSE, FLEX 2"ID X 32"L                                                                                                                | 1    |
| 25                                            | 10072                | NUT, HEX 1/2-20 ZINC                                                                                                                  | 4    |
| 26                                            | 10045                | WASHER, LOCK 1/2 ZINC                                                                                                                 | 4    |
| 27                                            | 86333...<br>86326... | HEAD ASSEMBLY COMPLETE W/ BEARING HUB*<br>...RIGID STYLE<br>...FLEXIBLE STYLE<br>*NOTE: REFER TO ILLUS. 4,5, 6, AND 7 FOR BREAKDOWNS. | 1    |
| 28                                            | 100054               | 10" UNIVERSAL MAGNA-TRAP DISC ONLY                                                                                                    | 1    |
| 29                                            | 36064                | MAGNET, NEODYMIUM RING 7/8 X 1/8<br>(REPLACEMENT - USE HARDWARE, ITEMS 30 & 31)                                                       | 3    |
| 30                                            | 10647                | SCREW, FLAT HD PHILLIPS 8-32 X 1/2                                                                                                    | 3    |
| 31                                            | 10462                | NUT, KEPS LOCK 8-32 ZINC                                                                                                              | 3    |
| 32                                            | 86108                | SCREW, FLAT HD SKT 3/8-24 X 3/4                                                                                                       | 4    |

## ILLUSTRATION 2: LEVELING SYSTEM GROUPING



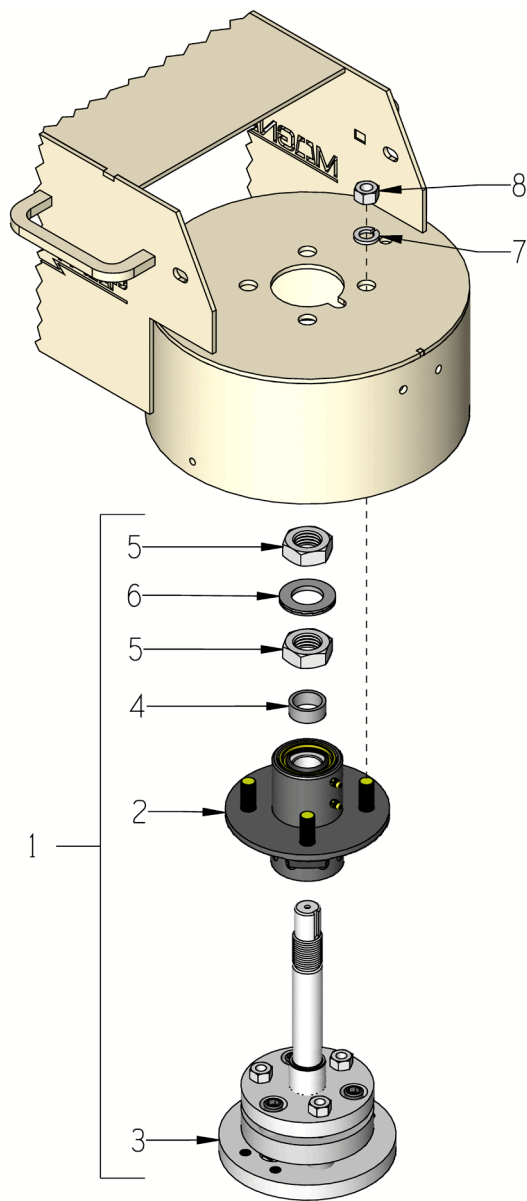
| ITEM # | PART # | DESCRIPTION                    | QTY. | ITEM # | PART # | DESCRIPTION                         | QTY. |
|--------|--------|--------------------------------|------|--------|--------|-------------------------------------|------|
| 1      | 86905  | KNOB, WHEEL HEIGHT CONTROL     | 1    | 13     | 10407  | NUT, HEX LOCK 1/2-13 ZINC           | 1    |
| 2      | 14023  | KNOB, BALL 1-3/8 W/ 1/2-13THD, | 1    | 14     | 86705  | SPACER 2-9/16"L, WHEEL              | 2    |
| 3      | 10411  | SCREW, SKT. HD. CAP 1/2-13 X 4 | 1    | 15     | 10009  | WASHER, FLAT 3/4 SAE ZINC           | 2    |
| 4      | 50550  | SLEEVE, BRASS 1/2" TAPERED     | 1    | 16     | 79013  | WHEEL, 8 X 2-1/2 X 3/4"BRG.POLY HUB | 2    |
| 5      | 80009  | BEARING, BALL 5/8" 2-HOLE      | 1    | 17     | 10428  | COLLAR, LOCKING 3/4"ID              | 2    |
| 6      | 55010  | SPACER, HANDWHEEL, 3/4"L       | 1    | 18     | 86904  | LINKAGE, FORK, SEC-NG/HD TG-10      | 1    |
| 7      | 10046  | NUT, HEX 5/8-11 ZINC           | 1    | 19     | 10329  | SCREW, CAP 1/2-20 X 6               | 1    |
| 8      | 10412  | BOLT, CARRIAGE 1/4-20 X 1      | 2    | 20     | 10205  | NUT, HEX LOCK 1/2-20 ZINC           | 1    |
| 9      | 10861  | NUT, KEPS LOCK 1/4-20 ZINC     | 2    | 21     | 59117  | LEVEL, SCREW ON                     | 1    |
| 10     | 86702  | FORK WELDMENT, SECNG TG10      | 1    | 22     | 11871  | SCREW, MACHINE FHP 8-32 X 1-1/4     | 2    |
| 11     | 10355  | SCREW, CAP 1/2-13 X 11         | 1    | 23     | 10462  | NUT, KEPS LOCK 8-32 ZINC            | 2    |
| 12     | 10312  | WASHER, FLAT 1/2 SAE ZINC      | 3    |        |        |                                     |      |

### ILLUSTRATION 3: WATER VALVE GROUPING



| ITEM # | PART # | DESCRIPTION                       | QTY. |
|--------|--------|-----------------------------------|------|
| 1      | 10711A | VALVE & HOSE CONNECTOR ASSY.      | 1    |
| 2      | 50075  | BARB, 3/8 HOSE X 1/4MPT (BRASS)   | 1    |
| 3      | 10714  | CLAMP, HOSE, SAE #4, ADJ. TO 5/8" | 2    |
| 4      | 86329  | HOSE 3/8"ID X 19-1/4"L, TG-10     | 1    |
| 5      | 11562  | BARB ELBOW 90, 3/8HOSE X 1/8MPT   | 1    |
| 6      | 10864  | NUT, HEX PANEL 1/8-27 NPSM ZINC   | 1    |

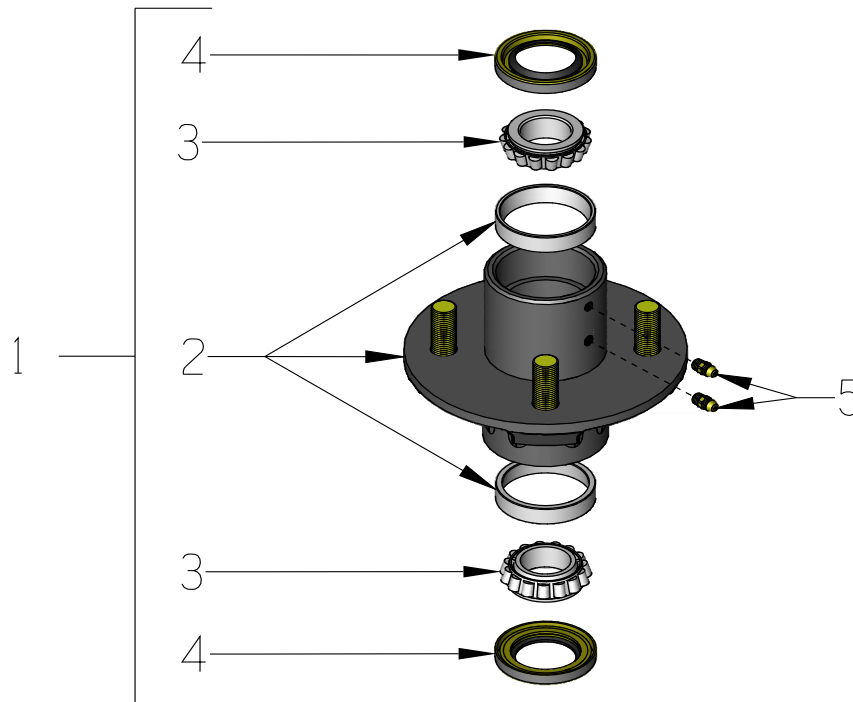
ILLUSTRATION 4: HEAD ASSEMBLY WITH BEARING



| ITEM # | PART #             | DESCRIPTION                                                                                                                | QTY. |
|--------|--------------------|----------------------------------------------------------------------------------------------------------------------------|------|
| 1      | 86333<br>86326     | HEAD ASSEMBLY W/ BEARING<br>...RIGID STYLE<br>...FLEXIBLE STYE                                                             | 1    |
| 2      | 86320A             | HUB ASSY. W/ BRGS. & SEALS, TG-10<br>(SEE ILLUS. 5 FOR BREAKDOWN)                                                          | 1    |
| 3      | 86333LB<br>86326LB | HEAD ASSEMBLY LESS BEARING<br>...RIGID STYLE (SEE ILLUS. 6 FOR BREAKDOWN)<br>...FLEXIBLE STYE (SEE ILLUS. 7 FOR BREAKDOWN) | 1    |
| 4      | 86319              | SPACER, HUB BEARING, TG-10 & CPM-10                                                                                        | 1    |
| 5      | 50020              | NUT, HEX JAM 1-14 ZINC GRADE 8                                                                                             | 2    |
| 6      | 86323              | WASHER, NORD-LOCK 1" (PAIR)                                                                                                | 1    |
| 7      | 10045              | WASHER, LOCK 1/2 ZINC                                                                                                      | 4    |
| 8      | 10072              | NUT, HEX 1/2-20 ZINC                                                                                                       | 4    |

# ILLUSTRATION 5: BEARING HUB ASSEMBLY

PART # 86320A



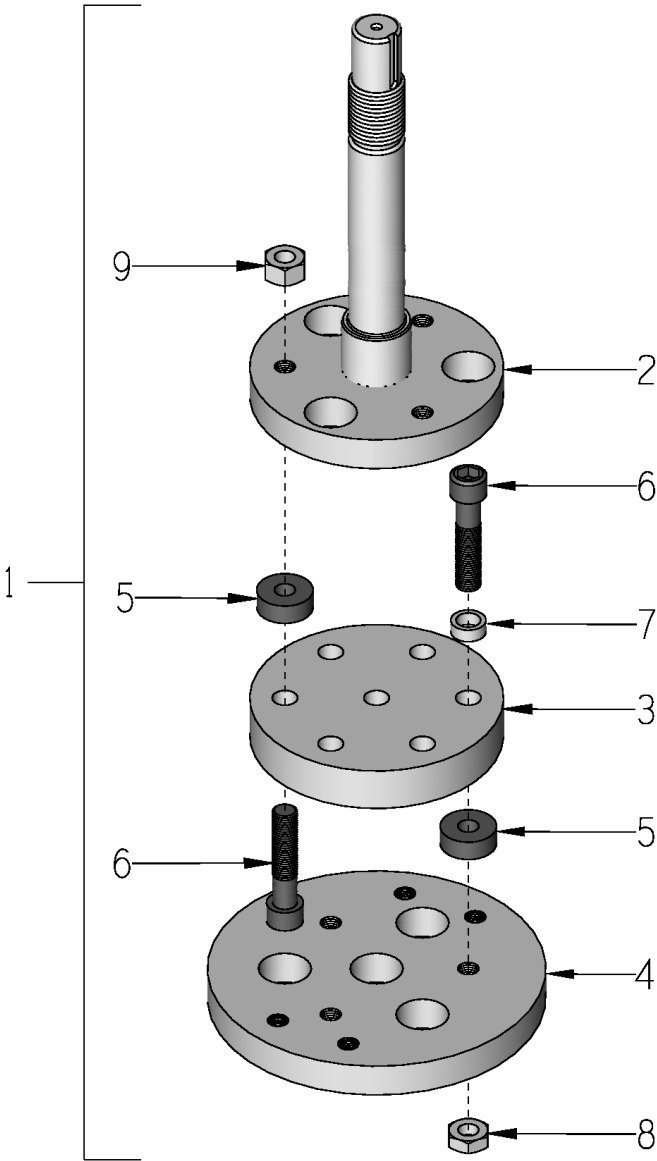
NOTE: USE LUBRIPLATE 930-AA HIGH TEMPERATURE GREASE OR EQUIVALENT.

| ITEM # | PART #           | DESCRIPTION                                                                                                           | QTY.   |
|--------|------------------|-----------------------------------------------------------------------------------------------------------------------|--------|
| 1      | 86320A           | HUB ASSY. W/ BRGS. & SEALS, TG-10                                                                                     | 1      |
| 2      | 86320HG<br>86339 | HUB W/ RACE CUPS & GREASE HOLES<br>BEARING CUP L44610 (REPLACEMENT ONLY)<br>NOTE: BEARING CUPS ARE PRESSED IN THE HUB | 1<br>2 |
| 3      | 86321            | BEARING CONE, TAPERED ROLLER 1"ID                                                                                     | 2      |
| 4      | 86322            | SEAL, BEARING HUB, 1.25 X 1.983                                                                                       | 2      |
| 5      | 10808            | FITTING, GREASE 1/4-28 STRAIGHT                                                                                       | 2      |



ILLUSTRATION 6: RIGID HEAD ASSEMBLY (STANDARD)

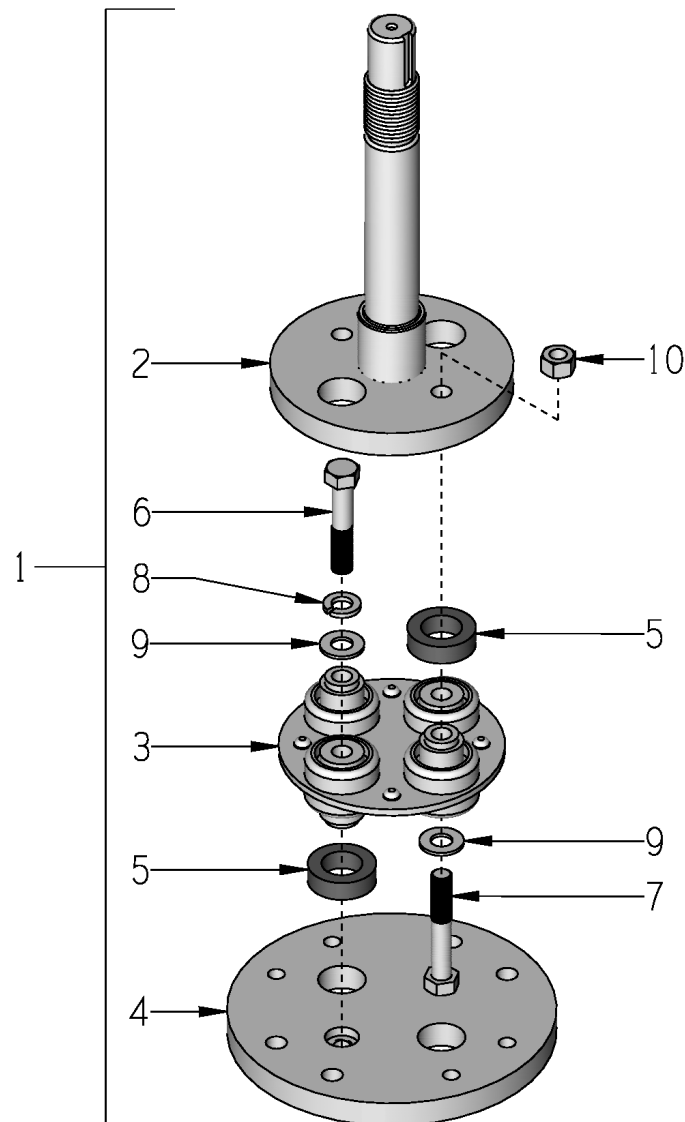
PART # 86333LB



| ITEM # | PART #  | DESCRIPTION                                      | QTY. |
|--------|---------|--------------------------------------------------|------|
| 1      | 86333LB | HEAD ASSY. LESS BRG., RIGID (INCLUDES ITEMS 2-9) | 1    |
| 2      | 86334   | FLANGE W/ SHAFT, RIGID HEAD, TG-10               | 1    |
| 3      | 86132S  | SPACER, RIGID HEAD, STEEL                        | 1    |
| 4      | 86133   | MOUNTING DISC, RIGID HEAD                        | 1    |
| 5      | 40329   | BUSHING, RUBBER 1"OD X 3/8"ID X 3/8              | 6    |
| 6      | 86111   | SCREW, SKT. HD. CAP 7/16-20 X 2 GR8              | 6    |
| 7      | 86112   | SPACER, STL 5/8"OD X 7/16ID X 1/4TK              | 3    |
| 8      | 11641   | NUT, HEX JAM 7/16-20 ZINC (USE RED LOCTITE)      | 3    |
| 9      | 10481   | NUT, HEX 7/16-20 ZINC (USE RED LOCTITE)          | 3    |

# ILLUSTRATION 7: FLEX HEAD ASSEMBLY (OPTIONAL)

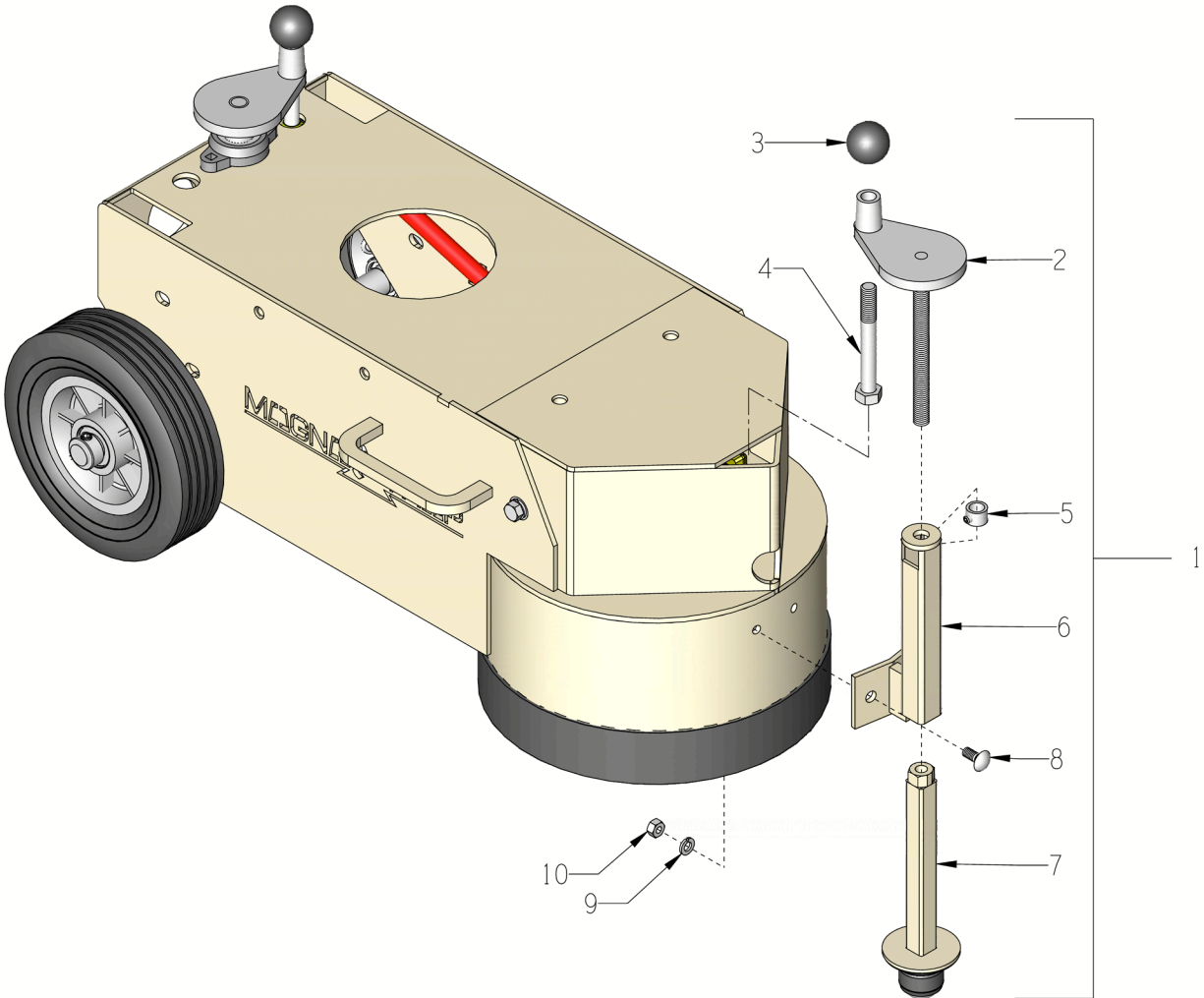
PART # 86326LB



| ITEM # | PART #  | DESCRIPTION                                      | QTY. |
|--------|---------|--------------------------------------------------|------|
| 1      | 86326LB | HEAD ASSY. LESS BRG., FLEX (INCLUDES ITEMS 2-10) | 1    |
| 2      | 86308   | FLANGE W/ SHAFT, FLEX HEAD, TG-10                | 1    |
| 3      | 86017   | COUPLING, MORFLEX 402 CENTER                     | 1    |
| 4      | 86309   | MOUNTING DISC, FLEXIBLE HEAD                     | 1    |
| 5      | 86343   | BUSHING, RUBBER 1-1/4 X 3/4 X 3/8                | 4    |
| 6      | 10030   | SCREW, CAP 3/8-24 X 2 (USE RED LOCTITE)          | 2    |
| 7      | 10336   | SCREW, CAP 3/8-24 X 2-1/4                        | 2    |
| 8      | 10811   | WASHER, LOCK 3/8 ZINC                            | 2    |
| 9      | 10025   | WASHER, FLAT 3/8 SAE ZINC                        | 4    |
| 10     | 10004   | NUT, HEX LOCK 3/8-24 ZINC                        | 2    |

ILLUSTRATION 8: OPTIONAL BALL CASTER DEPTH STOP KIT

PART # 86330

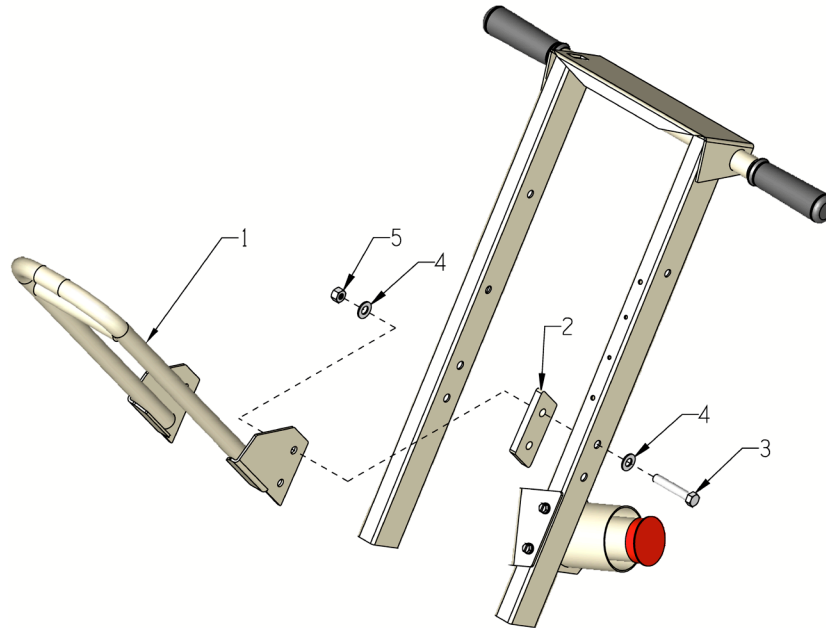


| ITEM # | PART # | DESCRIPTION                                                      | QTY. |
|--------|--------|------------------------------------------------------------------|------|
| 1      | 86330  | BALL CASTER DEPTH STOP KIT, TG-10<br>( INCLUDES ITEMS 2 THRU 10) | 1    |
| 2      | 86313  | HANDWHEEL, SMALL W/1/2-13 X 6.5 ROD                              | 1    |
| 3      | 14023  | KNOB, BALL 1-3/8 W/ 1/2-13THD, BLK.                              | 1    |
| 4      | 81001  | SCREW, CAP 1/2-13 X 4                                            | 1    |
| 5      | 86316  | COLLAR, LOCKING 1/2", TG-10                                      | 1    |
| 6      | 86314  | SUPPORT, DEPTH STOP, TG-10                                       | 1    |
| 7      | 86315  | BALL-CASTER WELDMENT, TG-10                                      | 1    |
| 8      | 10818  | BOLT, CARRIAGE 5/16-18 X 3/4                                     | 2    |
| 9      | 10801  | WASHER, LOCK 5/16 ZINC                                           | 2    |
| 10     | 10054  | NUT, HEX 5/16-18 ZINC                                            | 2    |

## ILLUSTRATION 9: OPTIONAL LIFTING BAIL ASSEMBLY

PART # 65096A2

NOTE: NOT AVAILABLE FOR PROPANE MODEL



| ITEM # | PART # | DESCRIPTION                         | QTY. |
|--------|--------|-------------------------------------|------|
| 1      | 65096  | BAIL ONLY, LIFTING, CPM-8/10 TG-10  | 1    |
| 2      | 86714  | SHIM 3/8", LIFTING BAIL, TG-10      | 2    |
| 3      | 10336  | SCREW, CAP 3/8-24 X 2-1/4           | 4    |
| 4      | 10025  | WASHER, FLAT 3/8 SAE ZINC           | 8    |
| 5      | 10058  | NUT, HEX LOCK 3/8-24 W/ NYLON PATCH | 4    |

### INSTRUCTIONS FOR MOUNTING LIFTING BAIL

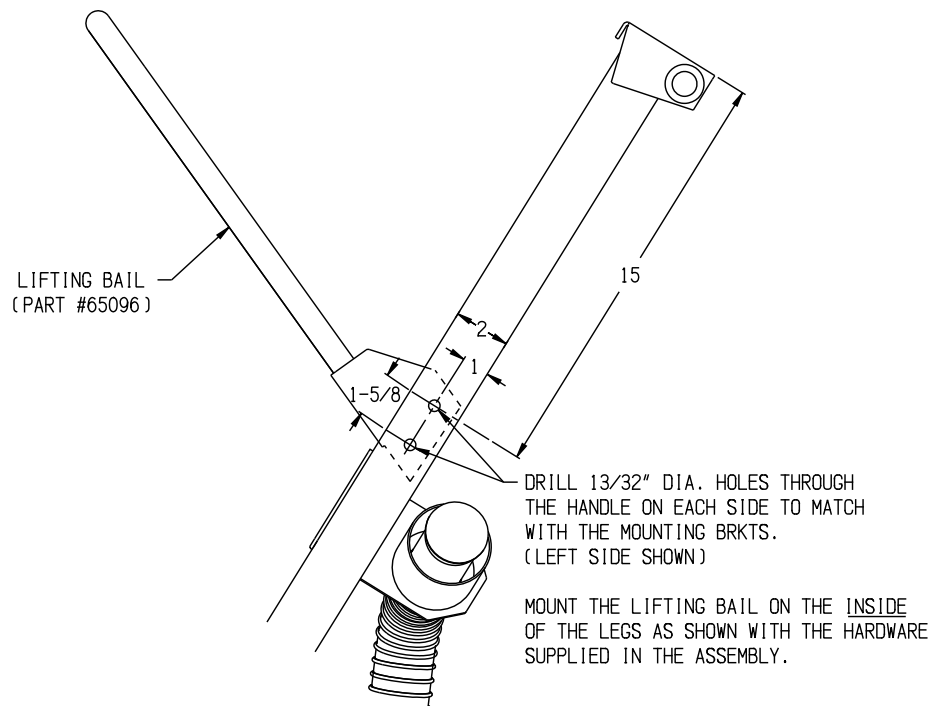
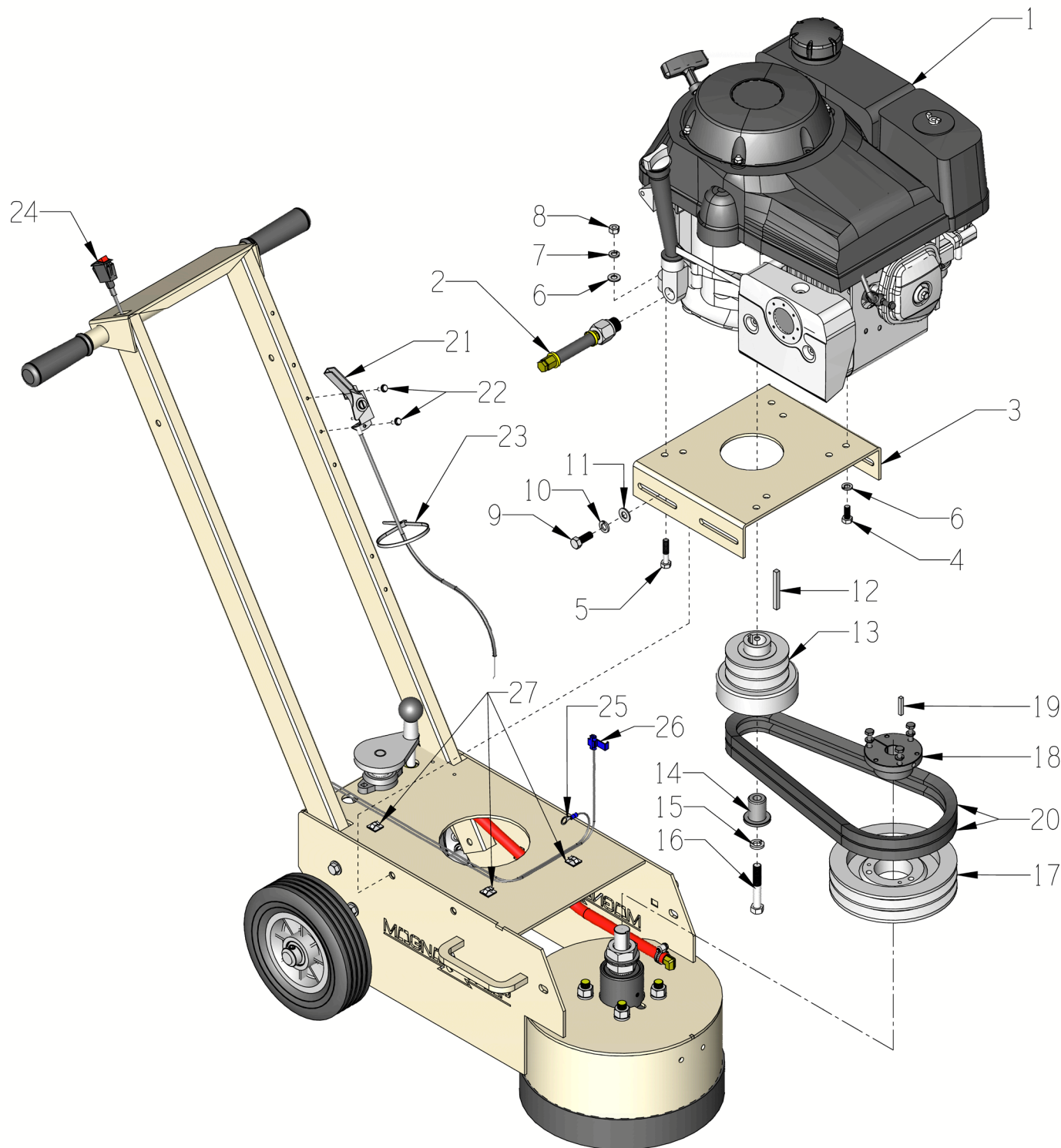


ILLUSTRATION 10: GASOLINE ENGINE & BELT DRIVE GROUPING



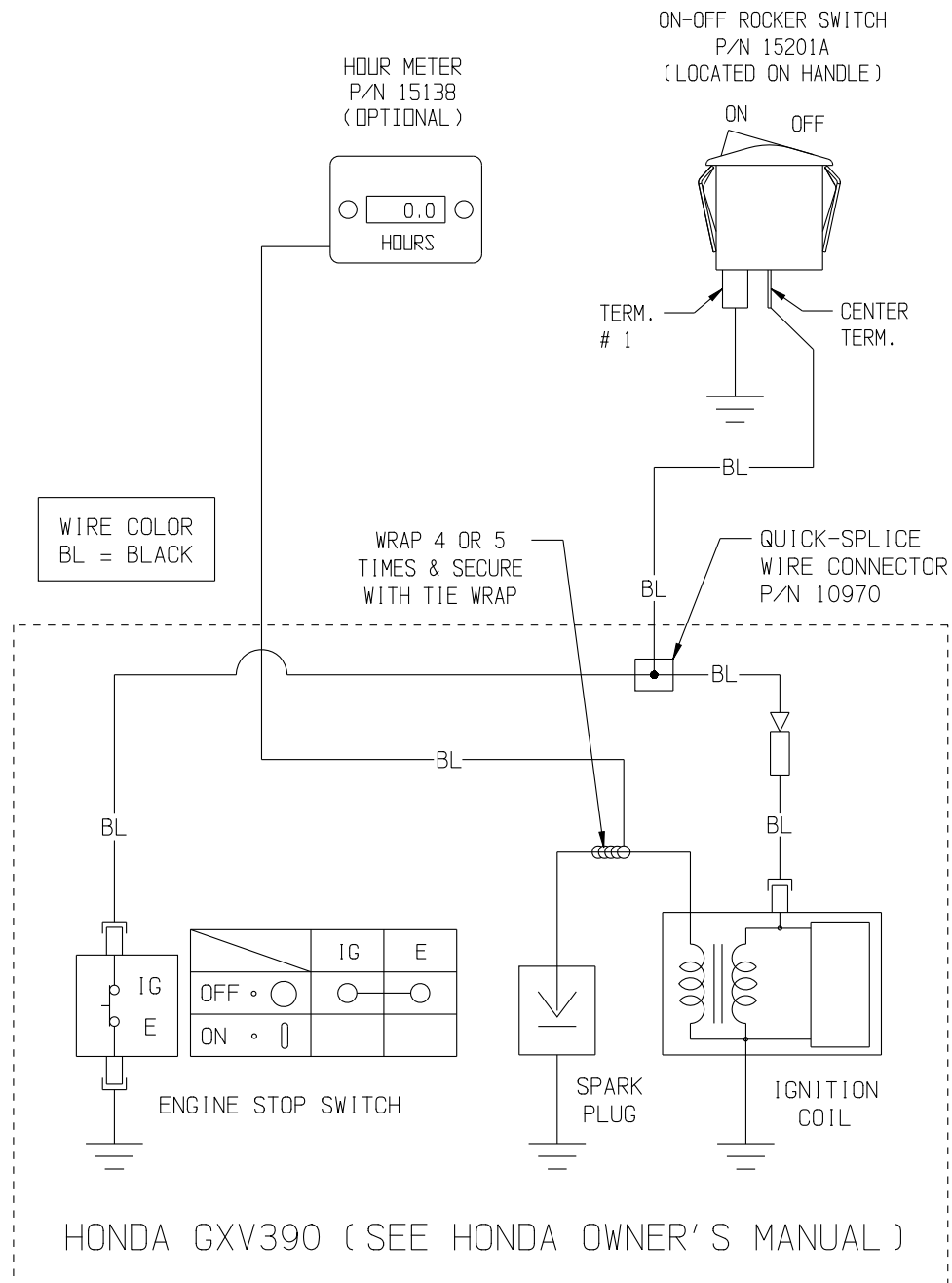
| <b>PARTS LISTING - ILLUSTRATION 10:<br/>GASOLINE ENGINE &amp; BELT DRIVE GROUPING</b> |        |                                     |      |
|---------------------------------------------------------------------------------------|--------|-------------------------------------|------|
| ITEM #                                                                                | PART # | DESCRIPTION                         | QTY. |
| 1                                                                                     | 76005  | ENGINE, HONDA MODEL GXV390UT1DAXB   | 1    |
| 2                                                                                     | 11572  | OIL DRAIN KIT, 11/13 HP HONDA VERT. | 1    |
| 3                                                                                     | 86311  | MOUNT, ENGINE, TG-10 & TMC-7        | 1    |
| 4                                                                                     | 10048  | SCREW, CAP 5/16-24 X 3/4 ZINC       | 2    |
| 5                                                                                     | 10342  | SCREW, CAP 5/16-18 X 1-1/2 ZINC     | 2    |
| 6                                                                                     | 10213  | WASHER, FLAT 5/16 SAE ZINC          | 2    |
| 7                                                                                     | 10801  | WASHER, LOCK 5/16 ZINC              | 4    |
| 8                                                                                     | 10054  | NUT, HEX 5/16-18 ZINC               | 2    |
| 9                                                                                     | 10055  | SCREW, CAP 3/8-16 X 1 ZINC          | 4    |
| 10                                                                                    | 10811  | WASHER, LOCK 3/8 ZINC               | 4    |
| 11                                                                                    | 10025  | WASHER, FLAT 3/8 SAE ZINC           | 4    |
| 10                                                                                    | 10071  | KEY 1/4SQ X 2-1/2                   | 1    |
| 13                                                                                    | 76024  | CLUTCH, CENTRIFUGAL 3.5 X 2GR X 1   | 1    |
| 14                                                                                    | 86706  | CLUTCH PLUG, TG-10                  | 1    |
| 15                                                                                    | 10450  | WASHER, LOCK 7/16 ZINC              | 1    |
| 16                                                                                    | 11750  | SCREW, CAP 7/16-20 X 2-3/4 ZINC     | 1    |
| 17                                                                                    | 75010  | SHEAVE 6.9"OD X 2GR.B X SDS         | 1    |
| 18                                                                                    | 10081M | BUSHING, SHEAVE SDS X 7/8 MODIFIED  | 1    |
| 19                                                                                    | 50523  | KEY 3/16SQ X 1-1/8                  | 1    |
| 20                                                                                    | 10290  | BELT B-35                           | 2    |
| 21                                                                                    | 40388  | CABLE, THROTTLE, LEVER-TYPE 24"     | 1    |
| 22                                                                                    | 10877  | SCREW, CAP STSHW 10-24 X 1/2        | 2    |
| 23                                                                                    | 10982  | TIE, CABLE, BLACK NYLON 12"         | 1    |
| 24                                                                                    | 15201A | SWITCH W/ WIRES, ROCKER RED ON-OFF  | 1    |
| 25                                                                                    | 50084  | TERM., RING #10 16-14GA. INSULATED  | 1    |
| 26                                                                                    | 10970  | CONN., WIRE QUICK-SPLICE 18-14 GA.  | 1    |
| 27                                                                                    | 36042  | ADHESIVE CORD CLIP 5/8"SQ.          | 3    |



THIS PAGE LEFT BLANK INTENTIONALLY

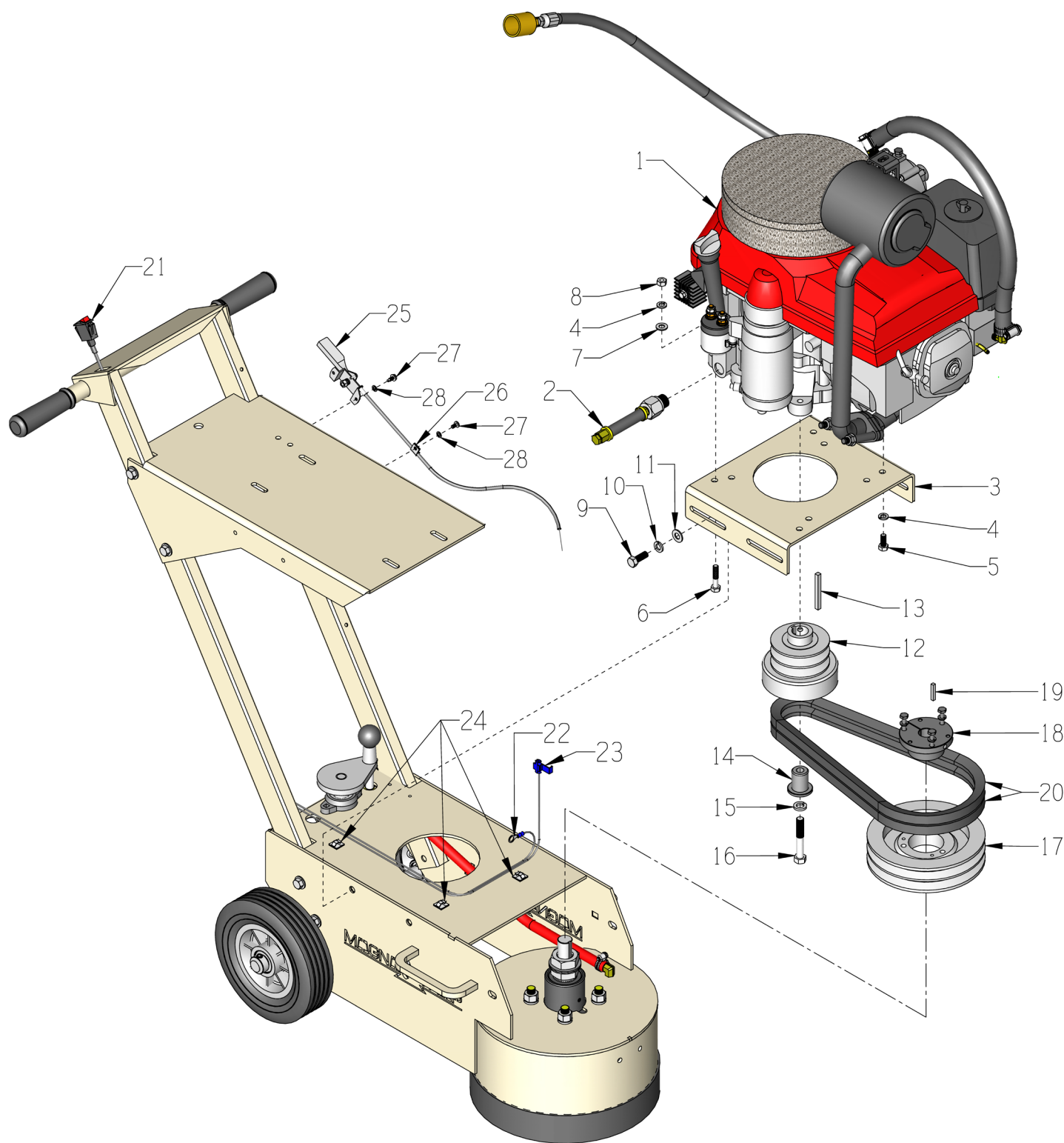
MODEL TG-10G

## WIRING DIAGRAM FOR GASOLINE MODEL



MODEL TG-10P

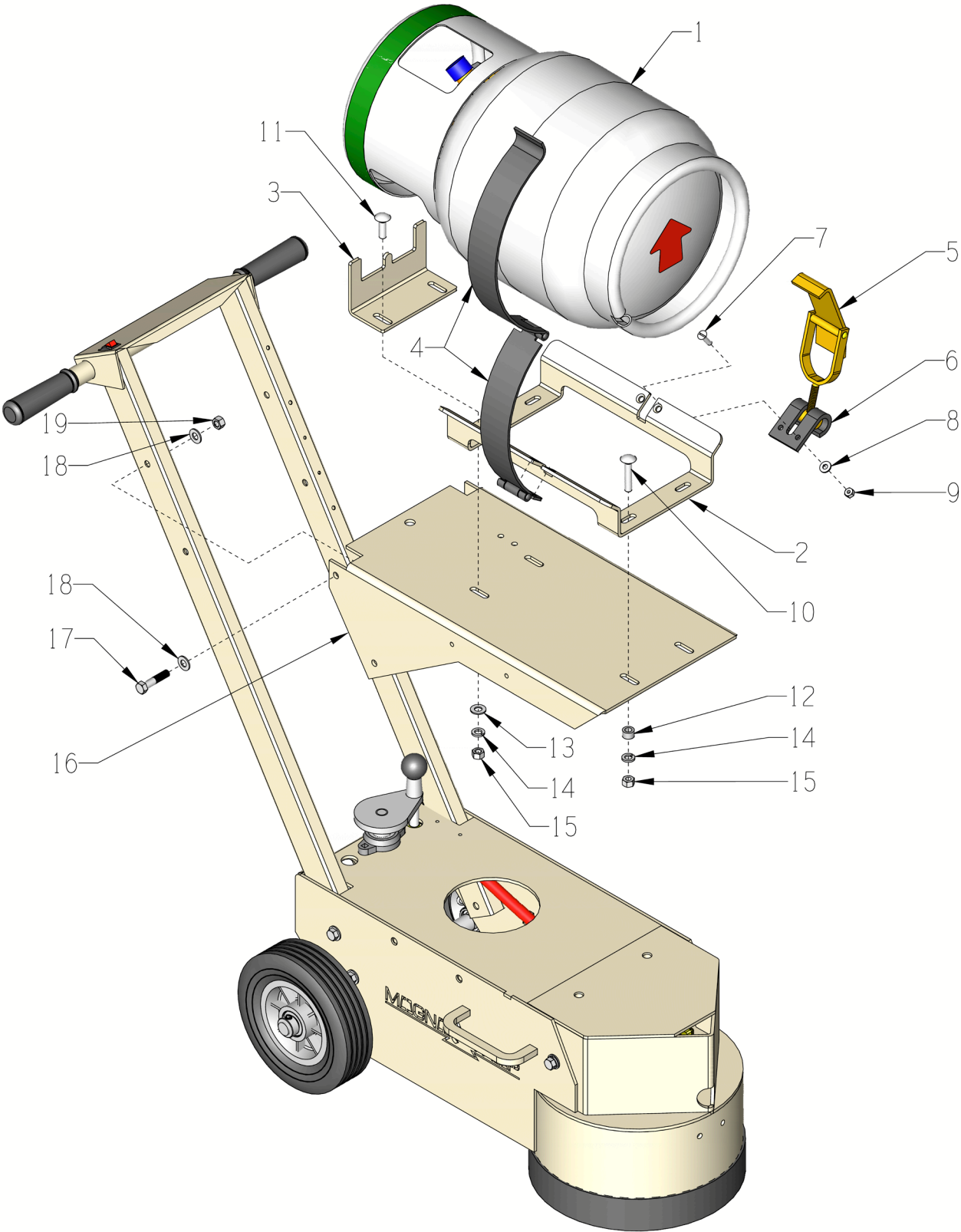
ILLUSTRATION 11: PROPANE ENGINE & BELT DRIVE GROUPING



| PARTS LISTING - ILLUSTRATION 11:<br>PROPANE ENGINE & BELT DRIVE GROUPING |         |                                                                        |      |
|--------------------------------------------------------------------------|---------|------------------------------------------------------------------------|------|
| ITEM #                                                                   | PART #  | DESCRIPTION                                                            | QTY. |
| 1                                                                        | 15088-P | ENGINE, HONDA GXV390 PROPANE AZTEC<br>(ALSO SEE ILLUSTRATIONS 13 & 14) | 1    |
| 2                                                                        | 11572   | OIL DRAIN KIT, 11/13 HP HONDA VERT.                                    | 1    |
| 3                                                                        | 86311   | MOUNT, ENGINE, TG-10 & TMC-7                                           | 1    |
| 4                                                                        | 10801   | WASHER, LOCK 5/16 ZINC                                                 | 2    |
| 5                                                                        | 10048   | SCREW, CAP 5/16-24 X 3/4                                               | 2    |
| 6                                                                        | 10204   | SCREW, CAP 5/16-18 X 1-3/4                                             | 2    |
| 7                                                                        | 10213   | WASHER, FLAT 5/16 SAE ZINC                                             | 2    |
| 8                                                                        | 10054   | NUT, HEX 5/16-18 ZINC                                                  | 2    |
| 9                                                                        | 10333   | SCREW, CAP 3/8-16 X 1-1/4                                              | 4    |
| 10                                                                       | 10811   | WASHER, LOCK 3/8 ZINC                                                  | 4    |
| 11                                                                       | 10025   | WASHER, FLAT 3/8 SAE ZINC                                              | 4    |
| 12                                                                       | 76024   | CLUTCH, CENTRIFUGAL 3.5 X 2GR X 1                                      | 1    |
| 13                                                                       | 10071   | KEY 1/4SQ X 2-1/2                                                      | 1    |
| 14                                                                       | 86706   | CLUTCH PLUG, TG-10                                                     | 1    |
| 15                                                                       | 10045   | WASHER, LOCK 1/2 ZINC                                                  | 1    |
| 16                                                                       | 11750   | SCREW, CAP 7/16-20 X 2-3/4 ZINC                                        | 1    |
| 17                                                                       | 75010   | SHEAVE 6.9"OD X 2GR.B X SDS                                            | 1    |
| 18                                                                       | 10081M  | BUSHING, SHEAVE SDS X 7/8 MODIFIED                                     | 1    |
| 19                                                                       | 50523   | KEY 3/16SQ X 1-1/8                                                     | 1    |
| 20                                                                       | 10290   | BELT B-35                                                              | 2    |
| 21                                                                       | 15201A  | SWITCH W/ WIRES, ROCKER RED ON-OFF                                     | 1    |
| 22                                                                       | 50084   | TERM., RING #10 16-14GA. INSULATED                                     | 1    |
| 23                                                                       | 10970   | CONN., WIRE QUICK-SPLICE 18-14 GA.                                     | 1    |
| 24                                                                       | 36042   | ADHESIVE CORD CLIP 5/8"SQ.                                             | 3    |
| 25                                                                       | 40388   | CABLE, THROTTLE, LEVER-TYPE 24"                                        | 1    |
| 26                                                                       | 10941   | CLIP, CONDUIT, THROTTLE CABLE                                          | 1    |
| 27                                                                       | 10877   | SCREW, CAP STSHW 10-24 X 1/2                                           | 3    |
| 28                                                                       | 10831   | WASHER, LOCK, INT. TOOTH #10                                           | 3    |

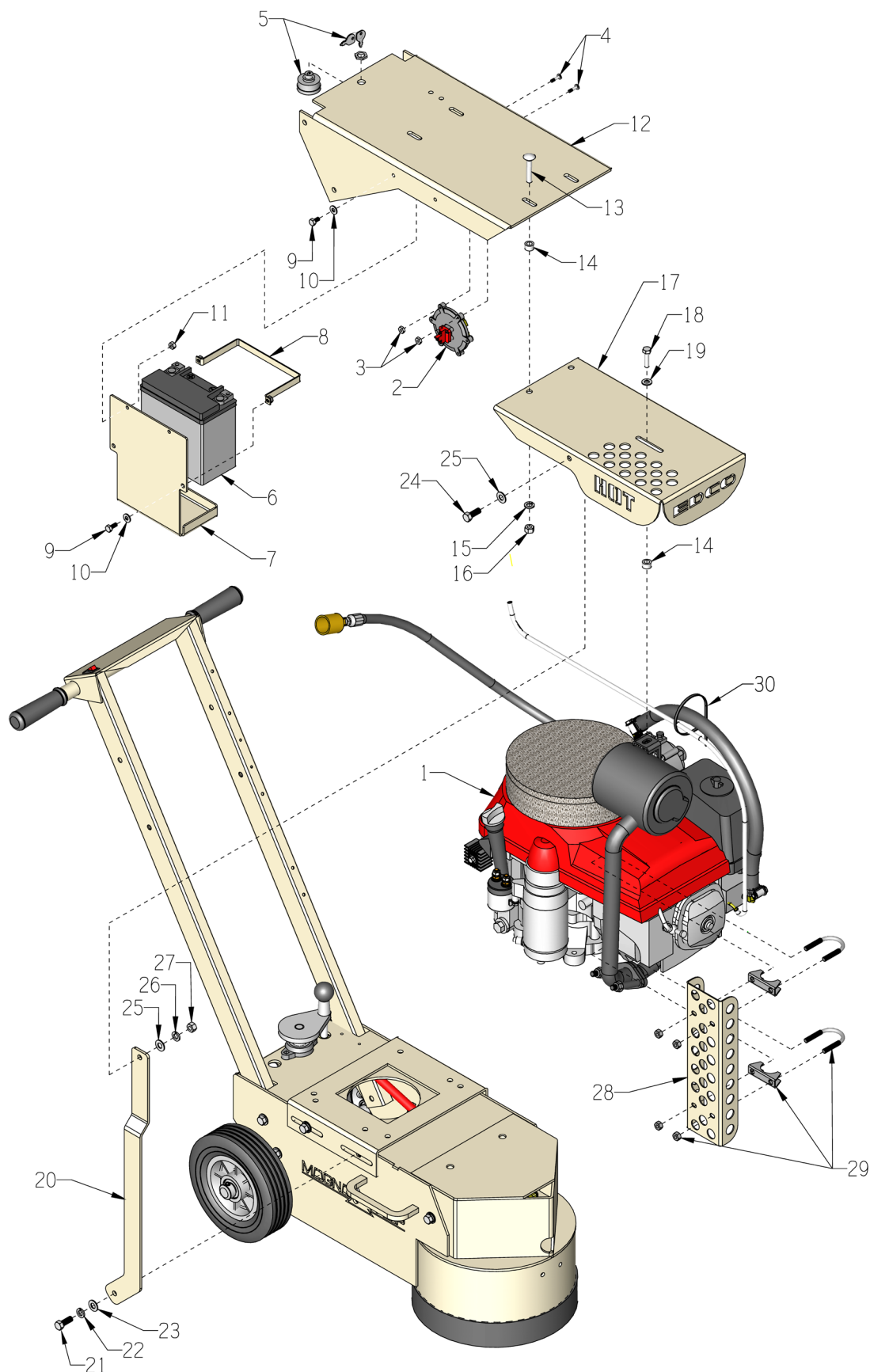
MODEL TG-10-P

ILLUSTRATION 12: PROPANE TANK GROUPING



| <b>PARTS LISTING</b><br><b>ILLUSTRATION 12: PROPANE TANK GROUPING</b> |         |                                                                       |      |
|-----------------------------------------------------------------------|---------|-----------------------------------------------------------------------|------|
| ITEM #                                                                | PART #  | DESCRIPTION                                                           | QTY. |
| 1                                                                     | 15099   | PROPANE TANK 20LB. VAPOR                                              | 1    |
| 2                                                                     | 100399  | PROPANE TANK CRADLE BRACKET                                           | 1    |
| 3                                                                     | 100400  | PROPANE TANK LOCATOR BRACKET                                          | 1    |
| 4                                                                     | 77061-2 | PROPANE TANK STRAP W/ HINGE                                           | 1    |
| 5                                                                     | 77061-4 | PROPANE TANK TOGGLE CLAMP                                             | 1    |
| 6                                                                     | 77061-3 | PROPANE TANK CLAW BRACKET                                             | 1    |
| 7                                                                     | 11661   | SCREW, FLAT HD SLT 1/4-20 X 1                                         | 4    |
| 8                                                                     | 10602   | WASHER, FLAT 1/4 SAE ZINC                                             | 4    |
| 9                                                                     | 10861   | NUT, KEPS LOCK 1/4-20 ZINC                                            | 4    |
| 10                                                                    | 10804   | BOLT, CARRIAGE 3/8-16 X 1-1/2                                         | 2    |
| 11                                                                    | 10320   | BOLT, CARRIAGE 3/8-16 X 1-1/4                                         | 2    |
| 12                                                                    | 10011   | SPACER, STEEL 5/8OD X 3/8ID X 3/8T<br>( SEE ILLUSTRATION 13, ITEM 14) | 2    |
| 13                                                                    | 10025   | WASHER, FLAT 3/8 SAE ZINC                                             | 2    |
| 14                                                                    | 10811   | WASHER, LOCK 3/8 ZINC                                                 | 4    |
| 15                                                                    | 10404   | NUT, HEX 3/8-16 ZINC                                                  | 4    |
| 16                                                                    | 86708   | MOUNT, PROPANE TANK, TG-10P<br>(SEE ILLUSTRATION 13, ITEM 12)         | 1    |
| 17                                                                    | 10029   | SCREW, CAP 3/8-24 X 1-3/4                                             | 4    |
| 18                                                                    | 10025   | WASHER, FLAT 3/8 SAE ZINC                                             | 8    |
| 19                                                                    | 10004   | NUT, HEX LOCK 3/8-24 ZINC                                             | 4    |

ILLUSTRATION 13: MUFFLER GUARD, HEAT SHIELD & BATTERY GROUPING





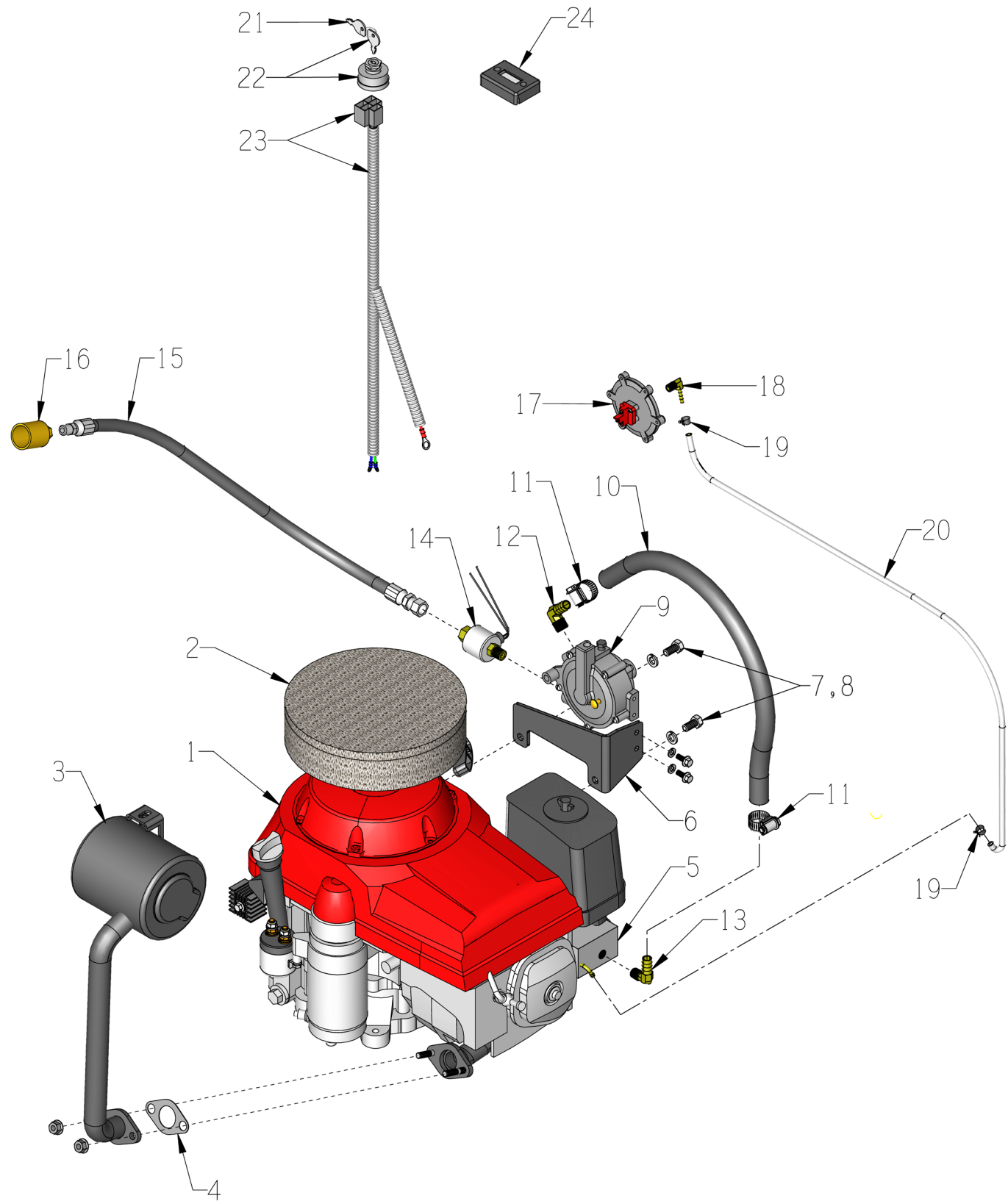
**PARTS LISTING - ILLUSTRATION 13:  
MUFFLER GUARD, HEAT SHIELD & BATTERY GROUPING**

| ITEM # | PART #    | DESCRIPTION                                                                                        | QTY. |
|--------|-----------|----------------------------------------------------------------------------------------------------|------|
| 1      | 15088-P   | ENGINE, HONDA GXV390 PROP. AZTEC<br>(SEE ILLUSTRATION 14, ITEM 1)                                  | 1    |
| 2      | 15088-P3  | SWITCH, 12V MICROVAC SAFETY 1501L<br>INCLUDED W/ ENGINE, ITEM 1.<br>(SEE ILLUSTRATION 14, ITEM 17) | 1    |
| 3      | 10460     | NUT, HEX MACHINE SCREW 10-32 ZINC                                                                  | 2    |
| 4      | 10384     | SCREW, MACHINE 10-32 X 1 RHP                                                                       | 2    |
| 5      | 15088-P13 | SWITCH, KEY, TG-10P<br>INCLUDED W/ ENGINE, ITEM 1.<br>(SEE ILLUS. 14, ITEM 22)                     | 1    |
| 6      | 15088-P12 | BATTERY 12V, TG-10P                                                                                | 1    |
| 7      | 86709     | TRAY, BATTERY, TG10-13P                                                                            | 1    |
| 8      | 86710     | STRAP, BATTERY, TG10-13P                                                                           | 1    |
| 9      | 11696     | SCREW, FLANGE HEX 1/4-20 X 3/4                                                                     | 4    |
| 10     | 10602     | WASHER, FLAT 1/4 SAE ZINC                                                                          | 4    |
| 11     | 10861     | NUT, KEPS LOCK 1/4-20 ZINC                                                                         | 2    |
| 12     | 86708     | MOUNT, PROPANE TANK, TG-10P<br>(SEE ILLUS. 12, ITEM 16)                                            | 1    |
| 13     | 10804     | BOLT, CARRIAGE 3/8-16 X 1-1/2                                                                      | 2    |
| 14     | 10011     | SPACER, STEEL 5/8OD X 3/8ID X 3/8T                                                                 | 3    |
| 15     | 10811     | WASHER, LOCK 3/8 ZINC                                                                              | 2    |
| 16     | 10404     | NUT, HEX 3/8-16 ZINC                                                                               | 2    |
| 17     | 86711     | GUARD, MUFFLER, TG-10P                                                                             | 1    |
| 18     | 10606     | SCREW, CAP 5/16-18 X 1-1/4                                                                         | 1    |
| 19     | 10213     | WASHER, FLAT 5/16 SAE ZINC                                                                         | 1    |
| 20     | 86712     | GUARD SUPPORT, MUFFLER, TG-10P                                                                     | 1    |
| 21     | 10333     | SCREW, CAP 3/8-16 X 1-1/4                                                                          | 1    |
| 22     | 10811     | WASHER, LOCK 3/8 ZINC                                                                              | 1    |
| 23     | 10025     | WASHER, FLAT 3/8 SAE ZINC                                                                          | 1    |
| 24     | 10055     | SCREW, CAP 3/8-16 X 1                                                                              | 1    |
| 25     | 10025     | WASHER, FLAT 3/8 SAE ZINC                                                                          | 2    |
| 26     | 10811     | WASHER, LOCK 3/8 ZINC                                                                              | 1    |
| 27     | 10404     | NUT, HEX 3/8-16 ZINC                                                                               | 1    |
| 28     | 86713     | HEAT SHIELD, EXHAUST PIPE, TG-10P                                                                  | 1    |
| 29     | 86374     | CLAMP, EXHAUST 5/16 X 1-1/4                                                                        | 2    |
| 30     | 10982     | TIE, CABLE, BLACK NYLON 12"                                                                        | 2    |

MODEL TG-10P

ILLUSTRATION 14: PROPANE ENGINE GROUPING

PART # 15088-P



| PARTS LISTING - ILLUSTRATION 14: PROPANE ENGINE GROUPING |           |                                                                                                                                                |      |
|----------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|------|
| ITEM #                                                   | PART #    | DESCRIPTION                                                                                                                                    | QTY. |
| 1                                                        | 15088-P   | ENGINE, HONDA GXV390 PROP. AZTEC INCLUDED:<br>ALL PARTS IN THIS ILLUSTRATION, EXCEPT ITEM 19.<br>SEE PAGE 26 FOR WIRES THAT ARE ALSO INCLUDED. | 1    |
| 2                                                        | 15088-P6  | FILTER, FOAM HAT, TG-10P                                                                                                                       | 1    |
| 3                                                        | 15088-P1  | CATALYTIC MUFFLER, TG-10P                                                                                                                      | 1    |
| 4                                                        | 15088-P16 | CATALYTIC MUFFLER GASKET, TG-10P                                                                                                               | 1    |
| 5                                                        | 15088-P7  | CARBURETOR ADAPTER, TG-10P                                                                                                                     | 1    |
| 6                                                        | 15088-P18 | BRACKET, REGULATOR, TG-10P                                                                                                                     | 1    |
| 7                                                        | 59135     | SCREW, CAP M8-1.25 X 16MM                                                                                                                      | 2    |
| 8                                                        | 11757     | WASHER, LOCK M8 ZINC                                                                                                                           | 2    |
| 9                                                        | 15088-P5  | PROPANE VAPOR REGULATOR N-51                                                                                                                   | 1    |
| 10                                                       | 15088-P19 | HOSE, ENGINE LP LPG 1/2"ID X 23"                                                                                                               | 1    |
| 11                                                       | 10768     | CLAMP, HOSE, SAE #12, ADJ. TO 1-1/4                                                                                                            | 2    |
| 12                                                       | 15088-P20 | BARB ELBOW 90, 1/2HOSE X 3/8MPT                                                                                                                | 1    |
| 13                                                       | 10693     | BARB ELBOW 90, 1/2HOSE X 1/4MPT                                                                                                                | 1    |
| 14                                                       | 15088-P8  | VALVE, HIGH PRESSURE SHUT-OFF                                                                                                                  | 1    |
| 15                                                       | 15088-P4  | PROPANE HP FUEL HOSE 42", TG-10P                                                                                                               | 1    |
| 16                                                       | 15095-3   | QUICK DISCONNECT 1-1/4 LH ACME                                                                                                                 | 1    |
| 17                                                       | 15088-P3  | SWITCH, 12V MICROVAC SAFETY 1501L                                                                                                              | 1    |
| 18                                                       | 15088-P10 | BARB ELBOW 90, 3/16"HOSE X 1/8MPT                                                                                                              | 1    |
| 19*                                                      | 11744     | CLAMP, HOSE, SPRING-BAND 3/8" BLK                                                                                                              | 2    |
| 20                                                       | 15088-P11 | HOSE, VACUUM 3/16"ID X 39"L                                                                                                                    | 1    |
| 21                                                       | 15088-P15 | REPLACEMENT KEY, SWITCH, TG-10P                                                                                                                | 1    |
| 22                                                       | 15088-P13 | SWITCH, KEY, TG-10P (INCLUDES 2 KEYS)                                                                                                          | 1    |
| 23                                                       | 15088-P14 | WIRE HARNESS, KEY SWITCH, TG-10P                                                                                                               | 1    |
| 24                                                       | 15178     | METER, TACH/HOUR, INDUCTIVE                                                                                                                    | 1    |
| *NOTE: ITEM 19, HOSE CLAMPS ARE ADDED DURING ASSEMBLY    |           |                                                                                                                                                |      |

## MODEL TG-10P

### WIRING ASSEMBLIES

NOTE: THESE WIRES ARE INCLUDED WITH THE ENGINE P/N 15088-P.



#### 15088-P14 WIRE HARNESS, KEY SWITCH

21" GREEN 14 GA. WIRE

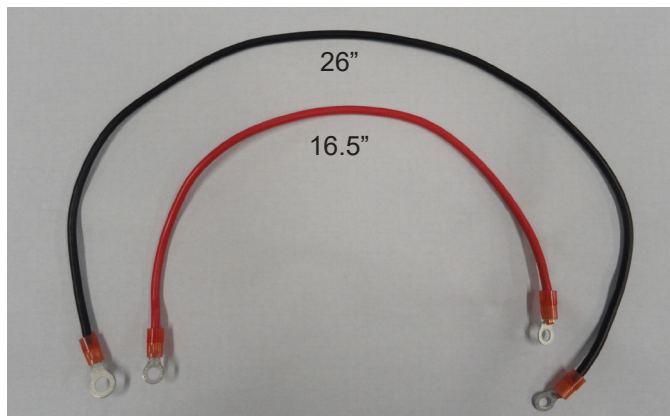
CONNECTS TO SAFTEY SWITCH "STR" TERMINAL.

21" BLUE 14 GA. WIRE

CONNECTS TO SAFTEY SWITCH "IGN" TERMINAL.

18" RED 14 GA. WIRE

CONNECTS TO BATTERY POS. "+" TERMINAL.



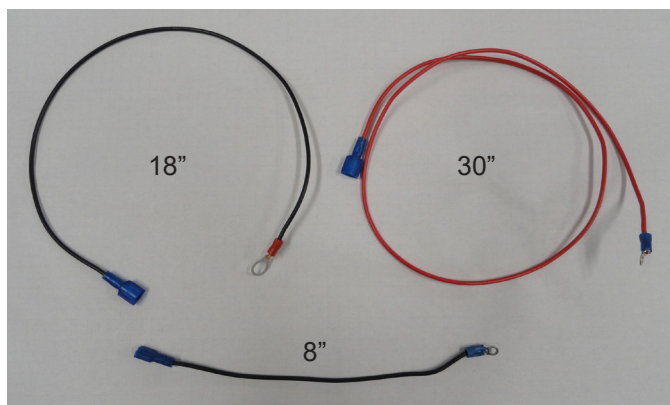
#### BATTERY CABLES

26" BLACK 10 GA. WIRE

CONNECTS BATTERY NEG. (-) TO ENGINE MOUNT  
GROUND BOLT.

16.5" RED 10 GA. WIRE

CONNECTS BATTERY POS. (+) TO STARTER SOLENOID.



#### OTHER WIRES

18" BLACK 14 GA. WIRE

HP SHUT-OFF VALVE TO ENGINE MOUNT GROUND BOLT.

30" RED 14 GA. WIRE

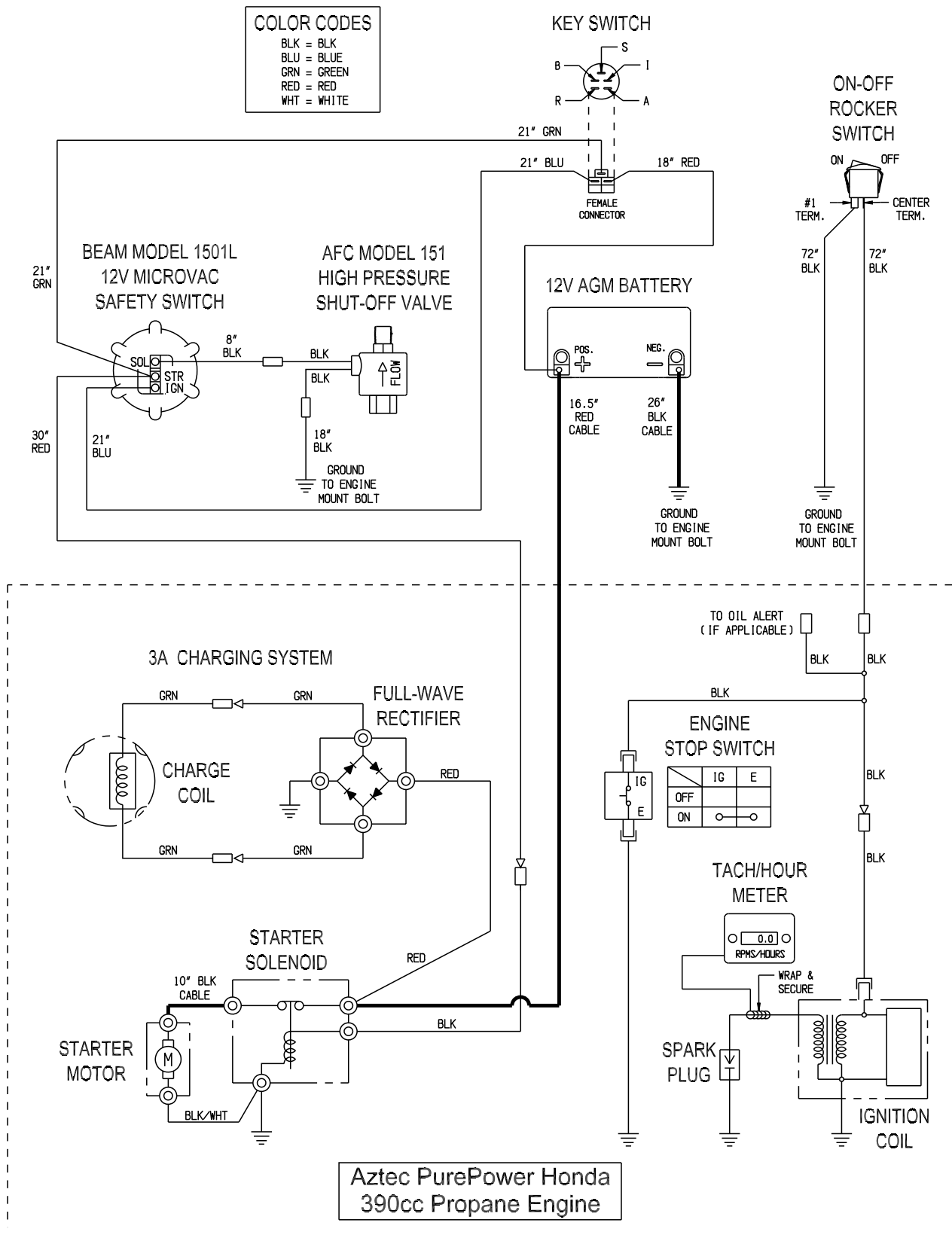
SAFETY SWITCH "STR" TERMINAL TO STARTER SOLENOID.

8" BLACK 14 GA. WIRE

SAFETY SWITCH "SOL" TERMINAL TO HP SHUT-OFF VALVE.

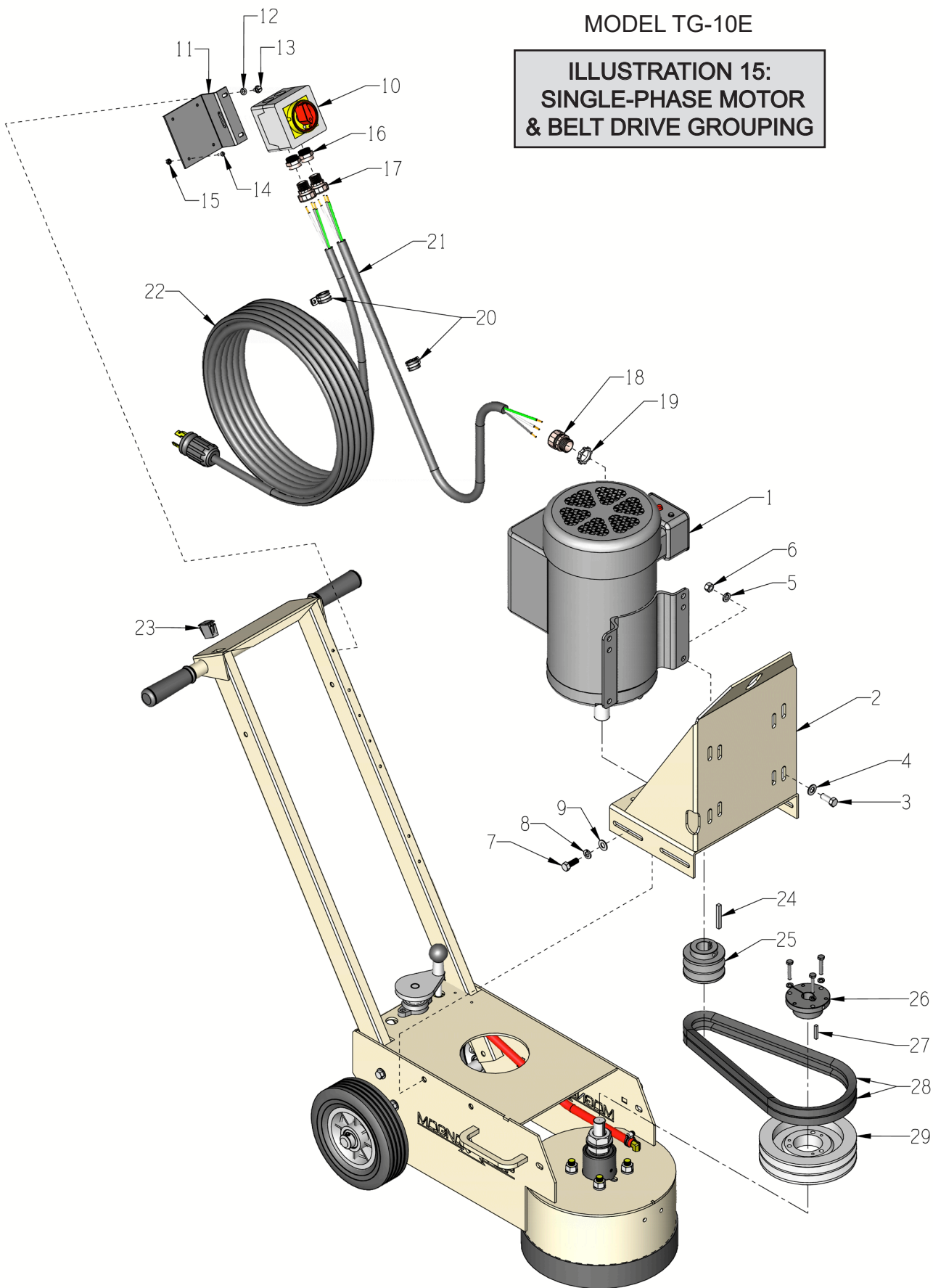
## MODEL TG-10P

## WIRING DIAGRAM FOR PROPANE MODEL



MODEL TG-10E

**ILLUSTRATION 15:  
SINGLE-PHASE MOTOR  
& BELT DRIVE GROUPING**





**PARTS LISTING - ILLUSTRATION 15:  
SINGLE-PHASE MOTOR & BELT DRIVE GROUPING**

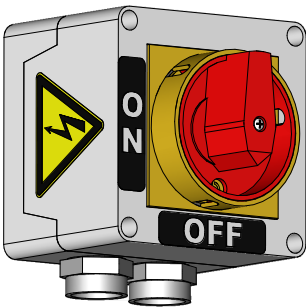
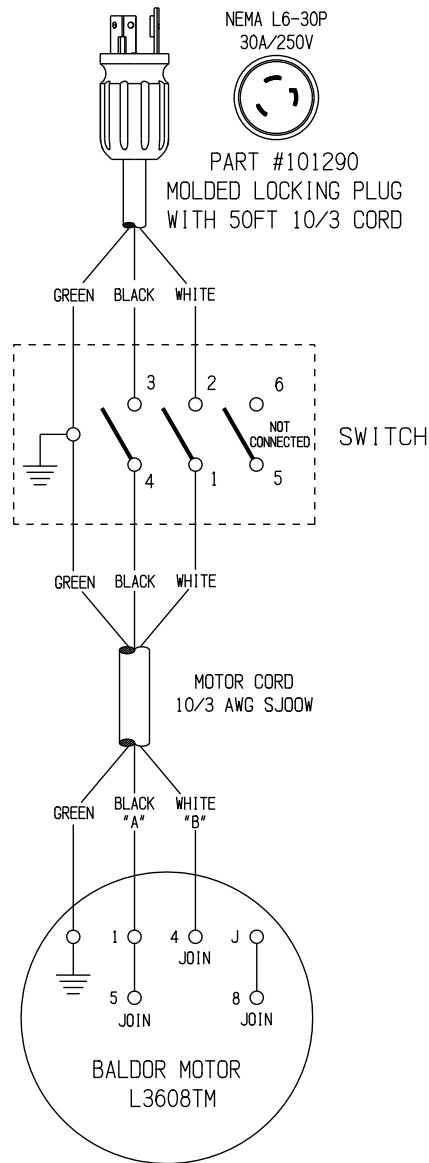
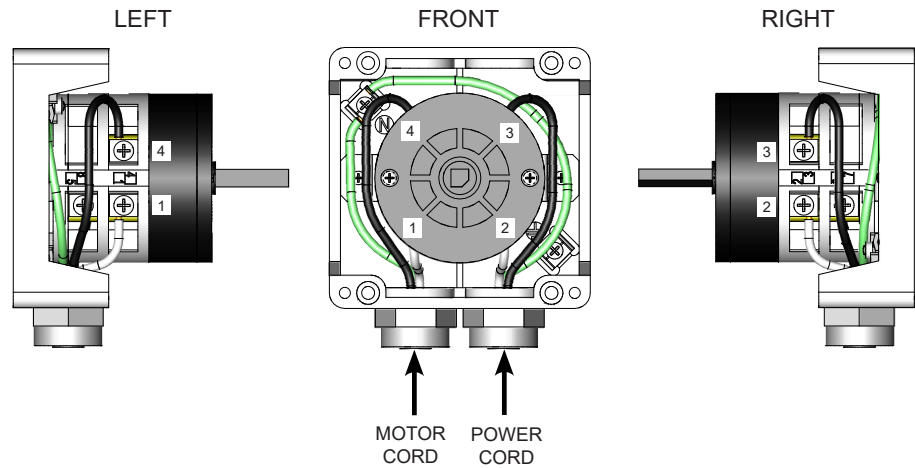
| ITEM # | PART #       | DESCRIPTION                                                           | QTY.     |
|--------|--------------|-----------------------------------------------------------------------|----------|
| 1      | <b>81026</b> | <b>MOTOR, BALDOR 5HP-1PH 60HZ 3450RPM</b>                             | <b>1</b> |
|        |              | <u>REPLACEMENT PARTS:</u>                                             |          |
|        | 16121        | CAPACITOR, START, BALDOR EC1161C06 (161-193 MFD, 250V)                | 2        |
|        | 16164        | CAPACITOR, RUN, BALDOR OC3040F18SP (40MFD 370V)                       | 1        |
|        | 16540        | RESET BUTTON, BALDOR TPBRT25DB                                        | 1        |
| 2      | 86404        | MOUNT, MOTOR, SEC TG10 TMC7                                           | 1        |
| 3      | 10021        | SCREW, CAP 3/8-24 X 1 ZINC                                            | 4        |
| 4      | 10025        | WASHER, FLAT 3/8 SAE ZINC                                             | 4        |
| 5      | 10811        | WASHER, LOCK 3/8 ZINC                                                 | 4        |
| 6      | 10014        | NUT, HEX 3/8-24 ZINC                                                  | 4        |
| 7      | 10055        | SCREW, CAP 3/8-16 X 1 ZINC                                            | 4        |
| 8      | 10811        | WASHER, LOCK 3/8 ZINC                                                 | 4        |
| 9      | 10025        | WASHER, FLAT 3/8 SAE ZINC                                             | 4        |
| 10     | <b>77043</b> | <b>SWITCH, ROTARY CAM ON/OFF</b>                                      | <b>1</b> |
|        |              | <u>REPLACEMENT PARTS:</u>                                             |          |
|        | 77043-2      | SWITCH HANDLE, PADLOCKABLE, LOVATO                                    | 1        |
|        | 77043-4      | GASKET RING, OPERATOR, LOVATO                                         | 1        |
| 11     | 77042        | BRACKET, ROTARY CAM SWITCH                                            | 1        |
| 12     | 10038        | WASHER, LOCK 1/4 ZINC                                                 | 2        |
| 13     | 10846        | SCREW, CAP STSHW 1/4-20 X 5/8                                         | 2        |
| 14     | 11663        | SCREW, MACHINE 8-32 X 1/2 RHCD ZINC<br>(LOCATED INSIDE OF SWITCH BOX) | 4        |
| 15     | 10462        | NUT, KEPS LOCK 8-32 ZINC                                              | 4        |
| 16     | 77043-1      | SWITCH ADAPTER, PG16 TO 1/2"NPT                                       | 2        |
| 17     | 41130        | STRAIN RELIEF 1/2NPT X .550-.650"                                     | 2        |
| 18     | 10959        | STRAIN RELIEF 3/4 NPT X .550-.650"                                    | 1        |
| 19     | 10740        | CONDUIT LOCK NUT 3/4 NP (LOCATED INSIDE JUNCTION BOX)                 | 1        |
| 20     | 11565        | CLAMP, LOOM, 5/8" (SAE SIZE 10)                                       | 2        |
| 21     | 86331        | WIRE HARNESS 10/3 X 50"LOA, TG10                                      | 1        |
| 22     | 101290       | CORD 10/3 W/ PLUG, 50FT. 30A/250V                                     | 1        |
| 23     | 15204        | PLUG, RECT. HOLE, PLASTIC SNAP-IN                                     | 1        |
| 24     | N/A          | KEY 1/4SQ X 1-3/4 (COMES WITH MOTOR)                                  | 1        |
| 25     | 79023        | SHEAVE 3"OD X 2GR.B X 1-1/8"BORE                                      | 1        |
| 26     | 10081M       | BUSHING, SHEAVE SDS X 7/8 MODIFIED                                    | 1        |
| 27     | 50523        | KEY 3/16SQ X 1-1/8                                                    | 1        |
| 28     | 75010        | SHEAVE 6.9"OD X 2GR.B X SDS                                           | 1        |
| 29     | 10290        | BELT B-35                                                             | 2        |



MODEL TG-10E 1-PHASE

WIRING DIAGRAM FOR ROTARY CAM SWITCH

60HZ 1-PHASE 230V

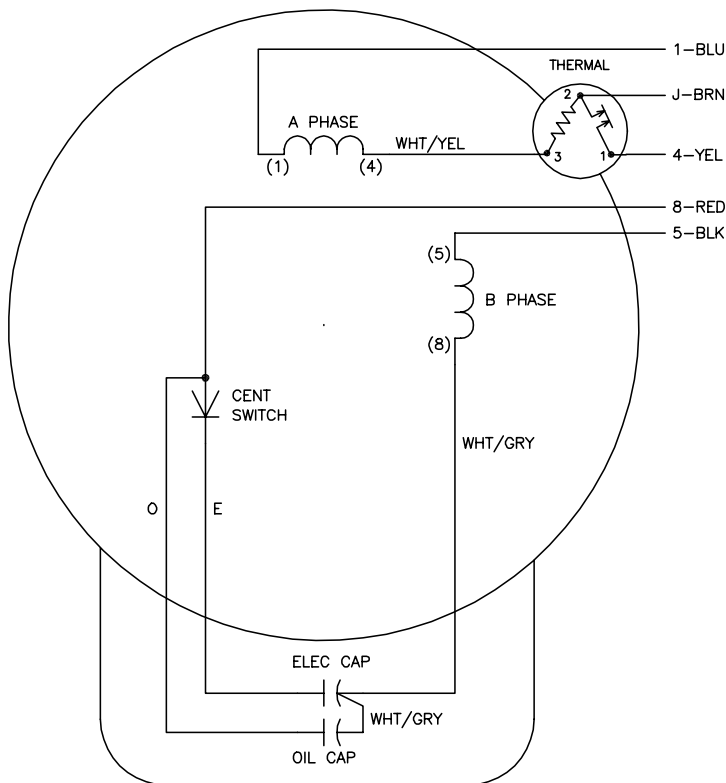


**WIRING DIAGRAM FOR 1-PHASE 60Hz MOTOR**

BALDOR CAT. NO. L3608TM

USE CONNECTIONS FOR OPPOSITE (OPT) ROTATION SHOWN BELOW IN CHART  
 LINE "A" IS BLACK WIRE, LINE "B" IS WHITE WIRE

CD0002A02



|     | LINE A | LINE B | JOIN |
|-----|--------|--------|------|
| STD | 1,8    | 4      | J,5  |
| OPP | 1,5    | 4      | J,8  |

## NOTES:

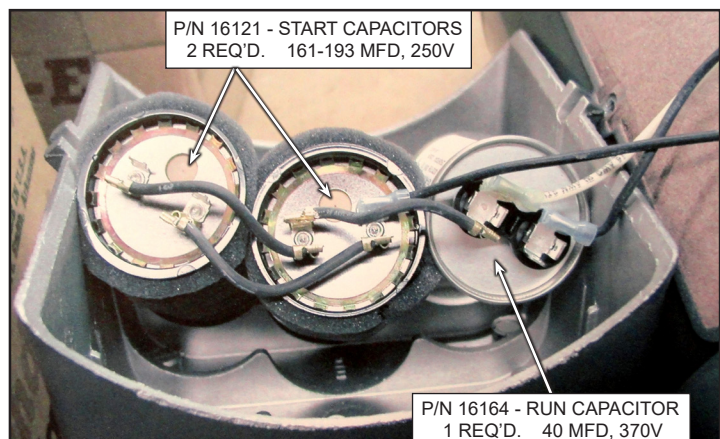
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                                                            |                      |                              |
|------------------------------------------------------------|----------------------|------------------------------|
| REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0002A04 | VERSION: 01          | TDR: 000000360649            |
| REV. LTR: D                                                | FILE: \AAA\00007\520 | REVISED: 17:11:40 04/15/2005 |
| CD0002A02                                                  | MTL: -               | BY: ENJOEPO                  |

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, THERMAL, 5 LEADS

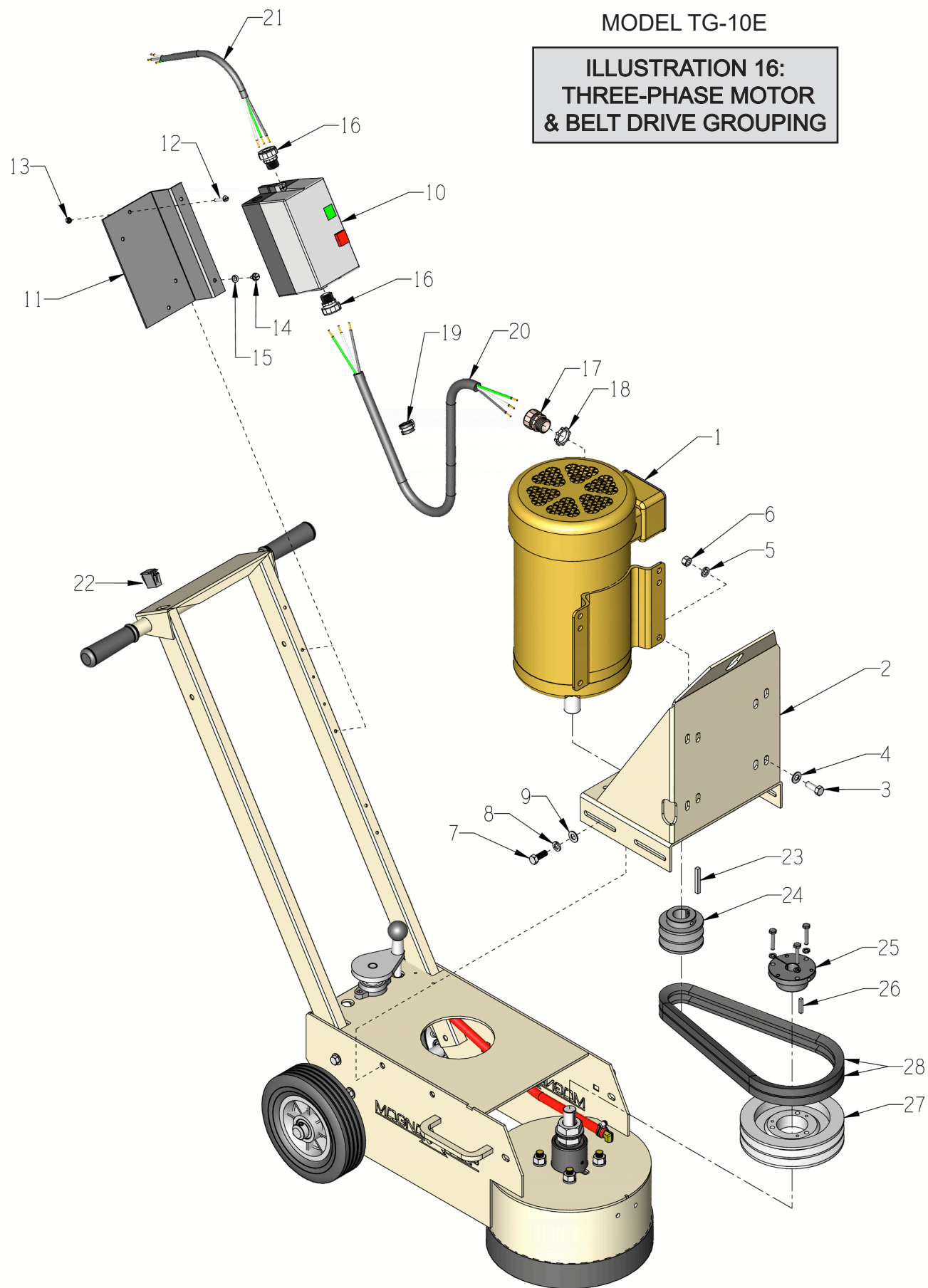
CD0002A02

**CAPACITOR WIRING DETAIL**

**Disconnect from power** before removing the cover and handling the capacitors or touching the wires.

MODEL TG-10E

ILLUSTRATION 16:  
THREE-PHASE MOTOR  
& BELT DRIVE GROUPING



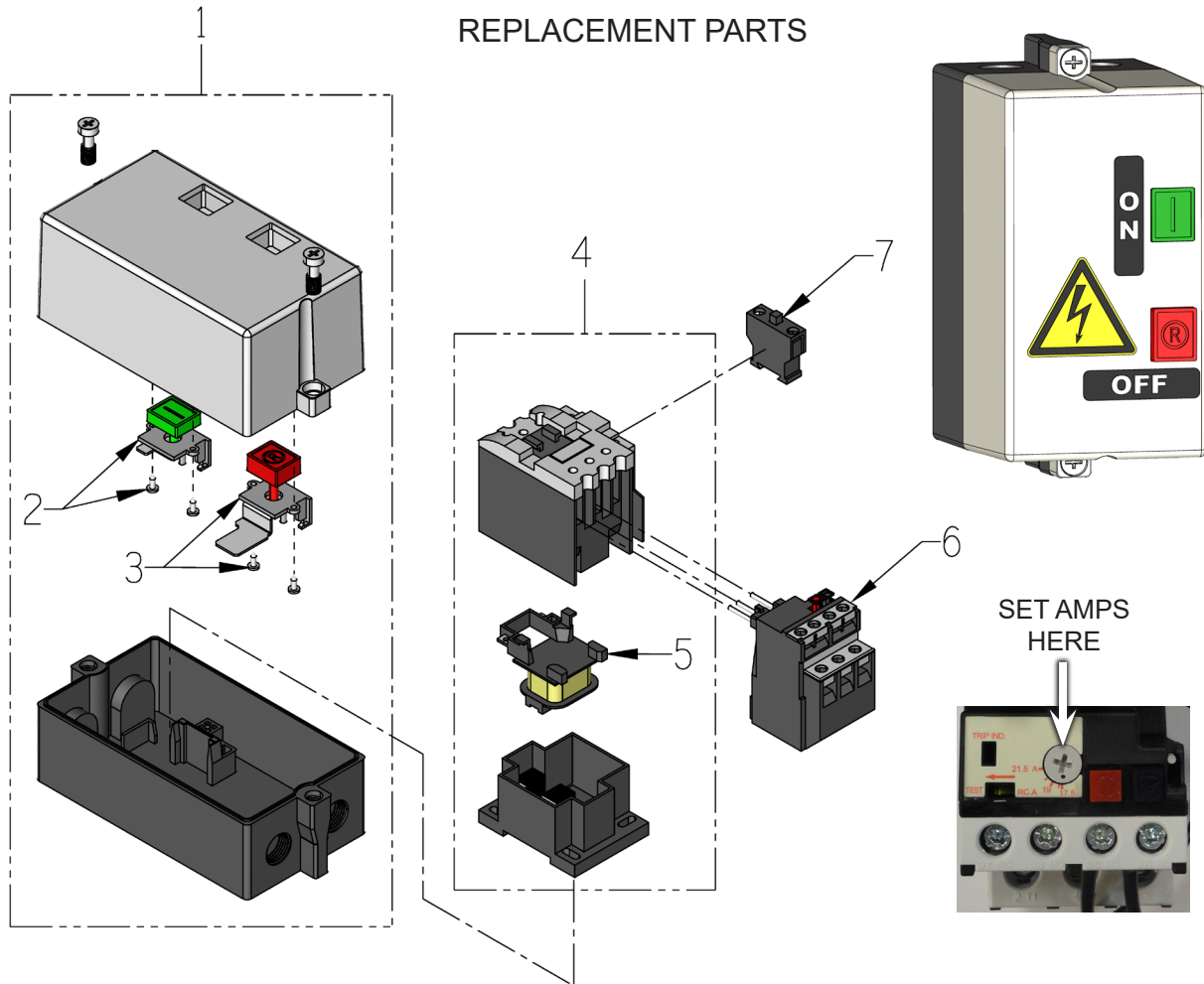
**PARTS LISTING - ILLUSTRATION 16:  
THREE-PHASE MOTOR & BELT DRIVE GROUPING**

| ITEM # | PART # | DESCRIPTION                                                                                              | QTY. |
|--------|--------|----------------------------------------------------------------------------------------------------------|------|
| 1      | 81022  | MOTOR, BALDOR 5HP-3PH-60HZ-230/460V                                                                      | 1    |
| 2      | 86404  | MOUNT, MOTOR, SEC TG10 TMC7                                                                              | 1    |
| 3      | 10021  | SCREW, CAP 3/8-24 X 1 ZINC                                                                               | 4    |
| 4      | 10025  | WASHER, FLAT 3/8 SAE ZINC                                                                                | 4    |
| 5      | 10811  | WASHER, LOCK 3/8 ZINC                                                                                    | 4    |
| 6      | 10014  | NUT, HEX 3/8-24 ZINC                                                                                     | 4    |
| 7      | 10055  | SCREW, CAP 3/8-16 X 1 ZINC                                                                               | 4    |
| 8      | 10811  | WASHER, LOCK 3/8 ZINC                                                                                    | 4    |
| 9      | 10025  | WASHER, FLAT 3/8 SAE ZINC                                                                                | 4    |
| 10     | 16405  | STARTER ACI #128841 START-STOP 200/240V COIL 11.3-16A O/L                                                | 1    |
|        | 16406  | STARTER ACI #128847 START-STOP 440/480V COIL 5.5-7.5A O/L<br>(SEE ILLUSTRATION 17 FOR REPLACEMENT PARTS) | 1    |
| 11     | 86027  | MOUNTING BRKT., STARTER                                                                                  | 1    |
| 12     | 11732  | SCREW, MACHINE 10-32 X 1-3/4 RPH                                                                         | 2    |
|        | 10384  | SCREW, MACHINE 10-32 X 1 RHP                                                                             | 1    |
| 13     | 10832  | NUT, KEPS LOCK 10-32 ZINC                                                                                | 2    |
| 14     | 10846  | SCREW, CAP STSHW 1/4-20 X 5/8                                                                            | 2    |
| 15     | 10038  | WASHER, LOCK 1/4 ZINC                                                                                    | 2    |
| 16     | 41053  | STRAIN RELIEF 1/2NPT X .625-.750"                                                                        | 2    |
| 17     | 10605  | STRAIN RELIEF 3/4NPT X .650-.750"                                                                        | 1    |
| 18     | 10740  | CONDUIT LOCK NUT 3/4 NP<br>(LOCATED INSIDE OF JUNCTION BOX)                                              | 1    |
| 19     | 11565  | CLAMP, LOOM, 5/8" (SAE SIZE 10)                                                                          | 1    |
| 20     | 86332  | WIRE HARNESS 12/4 X 42"LOA, TG-10                                                                        | 1    |
| 21     | 86022  | WIRE HARNESS 12/4 X 26"LOA                                                                               | 1    |
| 22     | 15204  | PLUG, RECT. HOLE, PLASTIC SNAP-IN                                                                        | 1    |
| 23     | N/A    | KEY 1/4SQ X 1-3/4 (COMES WITH MOTOR)                                                                     | 1    |
| 24     | 79023  | SHEAVE 3"OD X 2GR.B X 1-1/8"BORE                                                                         | 1    |
| 25     | 10081M | BUSHING, SHEAVE SDS X 7/8 MODIFIED                                                                       | 1    |
| 26     | 50523  | KEY 3/16SQ X 1-1/8                                                                                       | 1    |
| 27     | 75010  | SHEAVE 6.9"OD X 2GR.B X SDS                                                                              | 1    |
| 28     | 10290  | BELT B-35                                                                                                | 2    |

**ILLUSTRATION 17:  
ADVANCE CONTROLS, INC. (aci) BRAND  
START-STOP STARTER ASSEMBLY**

P/N 16405 &amp; 16406

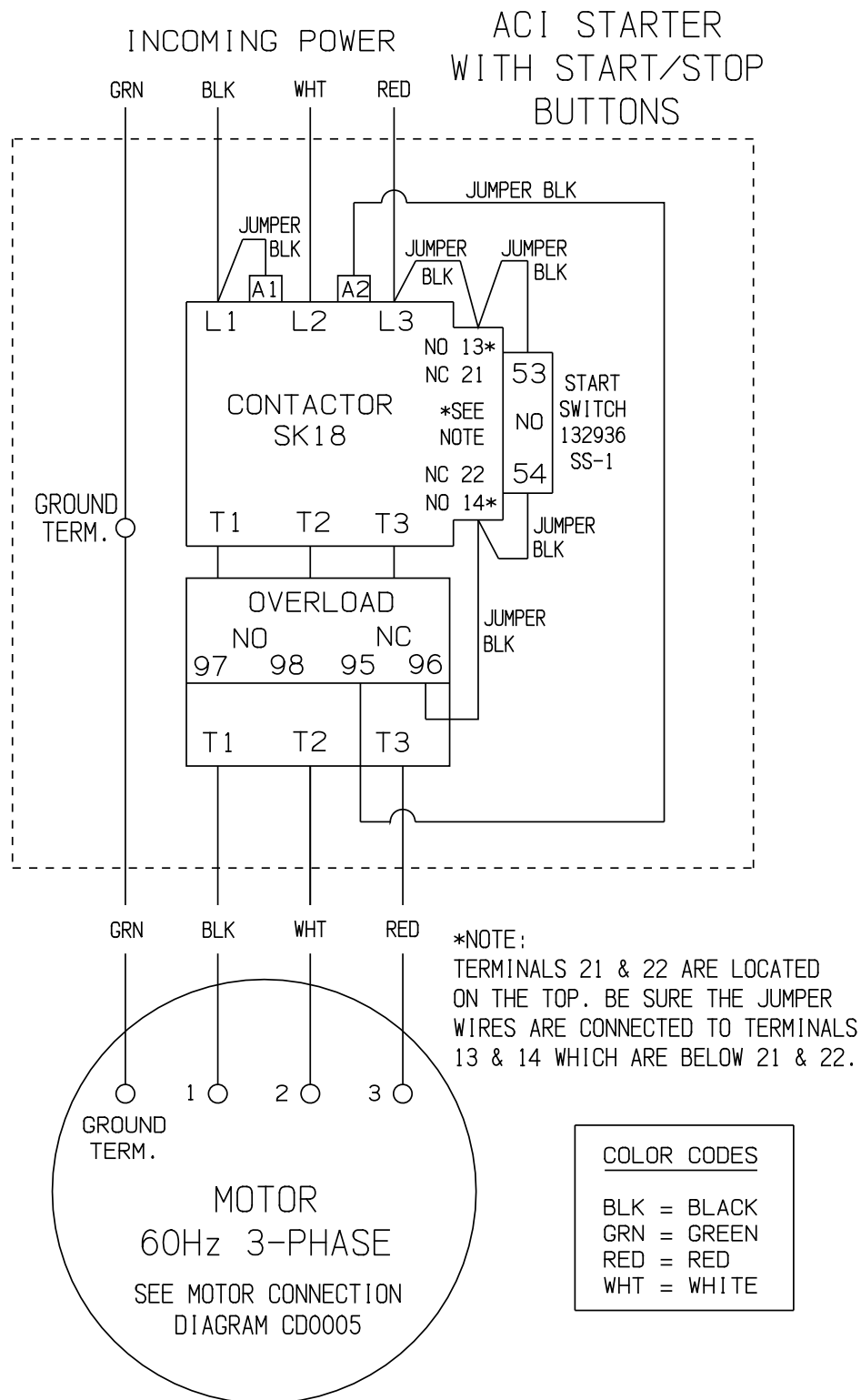
## REPLACEMENT PARTS



| ITEM # | PART #         | DESCRIPTION                                                                                                                        | QTY. |
|--------|----------------|------------------------------------------------------------------------------------------------------------------------------------|------|
| 1      | 16652          | STARTER BOX ONLY, START-STOP<br>(INCLUDES ITEM 2 & 3)                                                                              | 1    |
| 2      | 16656          | START PUSHBUTTON ASSY., GREEN                                                                                                      | 1    |
| 3      | 16655          | STOP/RESET PUSHBUTTON ASSY., RED                                                                                                   | 1    |
| 4      | 16617<br>16618 | CONTACTOR WITH COIL: (INCLUDES ITEM 5)<br>STARTER CONT./COIL ACI SK18.310-230 (230V)<br>STARTER CONT./COIL ACI SK18.310-460 (460V) | 1    |
| 5      | 16622<br>16623 | STARTER AC COIL ONLY:<br>AC COIL 200/240V-60HZ (230V)<br>AC COIL 440/480V-60HZ (460V)                                              | 1    |
| 6      | 16635<br>16632 | STARTER OVERLOAD RELAY:<br>O/L RELAY 11.3-16 AMP (230V - SET AMPS @ 13)<br>O/L RELAY 5.5-7.5 AMP (460V - SET AMPS @ 7)             | 1    |
| 7      | 16667          | START SWITCH, SS-1, ACI #132936                                                                                                    | 1    |

## MODELS: TG-10E 3-PHASE

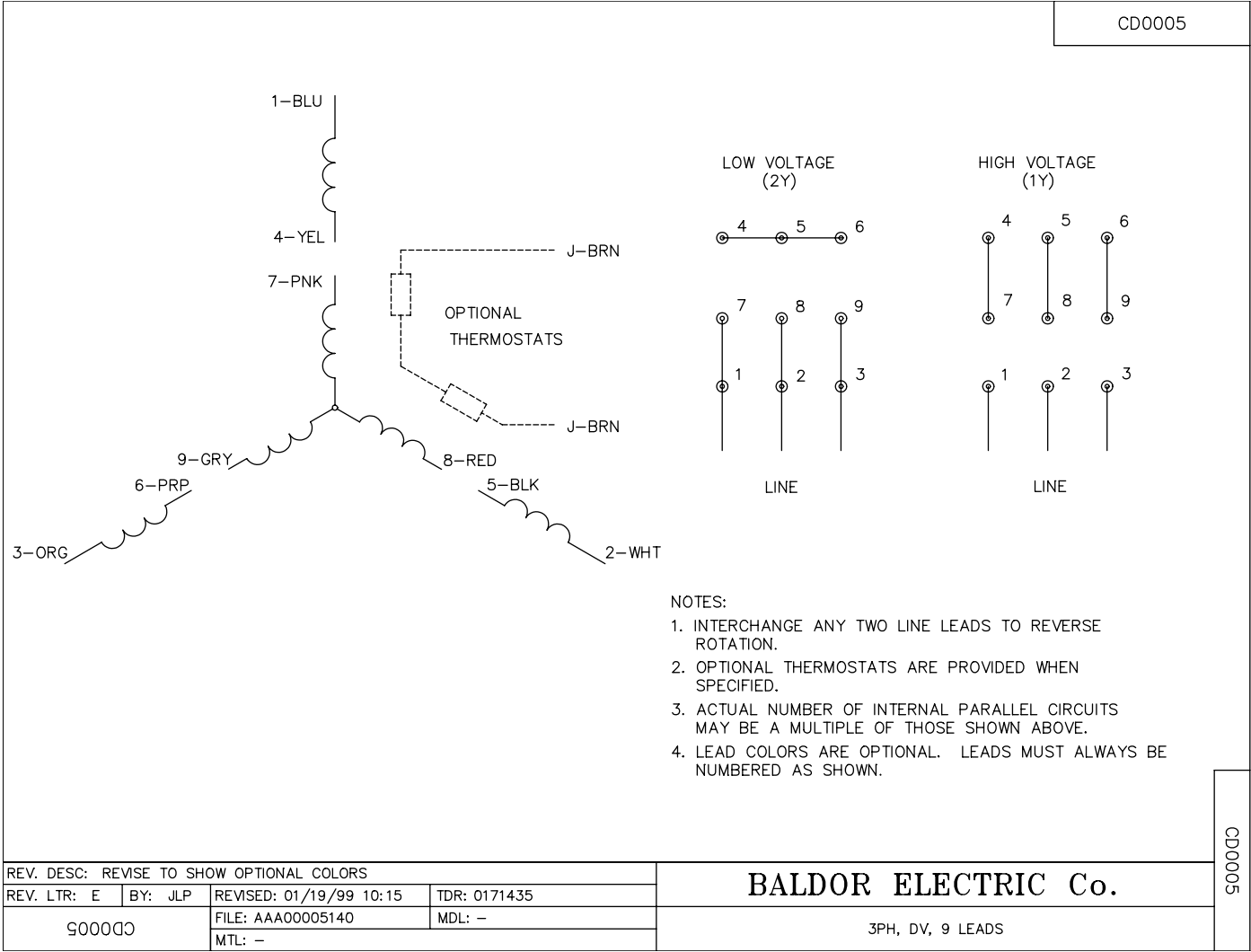
## WIRING DIAGRAM FOR ACI STARTER



MODEL TG-10E 3-PHASE

WIRING DIAGRAM FOR 3-PHASE 60Hz MOTOR

BALDOR CAT. NO. EM3613T





## DECAL SHEET

P/N 92215 Rev.I TG-10 14 x 17 SHEET

**RENTAL-TOUGH®****EDCO**  
edcoinc.com 1-800-638-3326

CHECK OIL DAILY



exceeds 85dBA



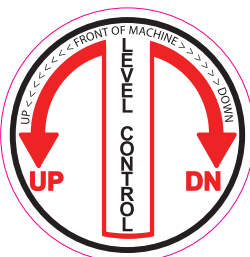
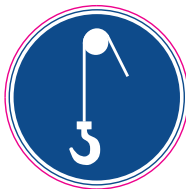
**CAUTION**

GENERATOR SIZE REQUIREMENT  
↕  
RATE GENERATOR AT 3 TIMES  
MOTOR RATED HORSEPOWER

**EDCO®****MAGNETO TRAP®****WARNING**

Carbon Monoxide can cause severe nausea, fainting, or death.

Do not operate engine in a closed or confined area. Follow OSHA Standards.



THROTTLE

**WARNING**THERE IS NO OIL IN THIS MACHINE

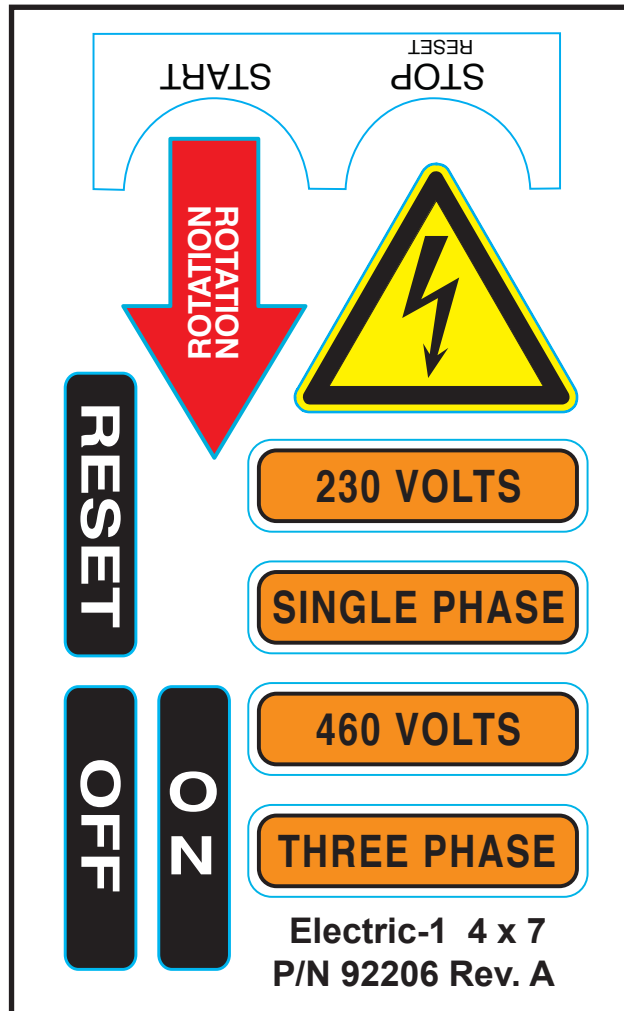
For OSHA Silica  
Compliance use with  
**EDCO Vacuum**

**GREASE BEARINGS****DAILY**

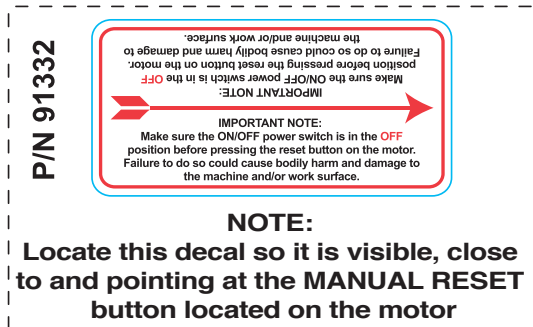
**WARNING:** Cancer and Reproductive Harm.  
For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## DECALS CONTINUED

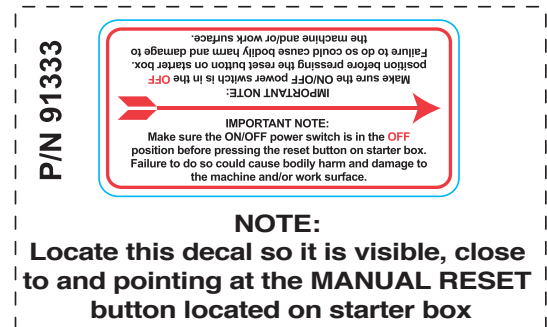
PART # 92206



**IMPORTANT NOTE**  
**MOTOR MANUAL RESET**  
**DECAL PART # 91332**



**IMPORTANT NOTE**  
**STARTER MANUAL RESET**  
**DECAL PART # 91333**



## LIMITED EQUIPMENT WARRANTY OF SALE

Equipment Development Company, Inc. herein referred to as EDCO (Seller) warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except for the cutter drum assembly on all model concrete/asphalt planers AND the chisel head assembly on all model ALR's & ALR-BS in which case the warranty period shall be 90 days) from date of shipment to the original retail or equipment rental center owner.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including, but not limited to engines, motors, electrical components, transmissions etc., shall carry the accessory manufacturers own warranty.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO, any part which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to the warranty of merchantability and the warranty of fitness for a particular purpose in no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product unless specifically provided herein. In addition, this warranty shall not apply to any products or portions thereof which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller or used in any manner inconsistent with the provisions of the above or any instructions or specifications provided with or for the product.

### TERMS AND CONDITIONS

(NOT APPLICABLE TO SALES THROUGH AUTHORIZED DISTRIBUTION)

#### FORCE MAJEURE

Seller's obligation hereunder are subject to, and Seller shall not be held responsible for, any delay or failure to make delivery of all or any part of the Product due to labor difficulties, fires, casualties, accidents, acts of the elements, acts of God, transportation difficulties, delays by a common carrier, inability to obtain Product, materials or components or qualified labor sufficient to timely perform part of or all of the obligations contained in these terms and conditions, governmental regulations or actions, strikes, damage to or destruction in whole or part of manufacturing plant, riots, terrorist attacks or incidents, civil commotions, warlike conditions, flood, tidal waves, typhoon, hurricane, earthquake, lightning, explosion or any other causes, contingencies or circumstances within or without the United States not subject to the Seller's control which prevent or hinder the manufacture or delivery of the Products or make the fulfillment of these terms and conditions impracticable. In the event of the occurrence of any of the foregoing, at the option of Seller, Seller shall be excused from the performance under these Terms and Conditions, or the performance of the Seller shall be correspondingly extended.

This document sets forth the terms and conditions pursuant to which the purchaser ("Purchaser") will purchase and Equipment Development Co. Inc. ("Seller") will sell the products, accessories, attachments (collectively the Products) ordered by the Purchaser. These terms and conditions shall govern and apply to the sale of Seller's Products to Purchaser, regardless of any terms and conditions appearing on any purchase order or other forms submitted by Purchaser to Seller, or the inconsistency of any terms therein and herein.

#### 1. PRICE

All prices set forth on any purchase order or other document are F.O.B. Seller's facility or distribution point, as may be determined by Seller (F.O.B. Point). All prices are exclusive of any and all taxes, including, but not limited to, excise, sales, use, property or transportation taxes related to the sale or use of the Products, now or hereafter imposed, together with all penalties and expenses. Purchaser shall be responsible for collecting and/or paying any and all such taxes, whether or not they are stated in any invoice for the Products. Unless otherwise specified herein, all prices are exclusive of inland transportation, freight, insurance and other costs and expenses relating to the shipment of the Products from the F.O.B. point to Purchaser's facility. Any prepayment by Seller of freight insurance and other costs shall be for the account of Purchaser and shall be repaid to Seller.

#### 2. PAYMENT TERMS

Payment terms are as follows. 2% 10 days (to approved and qualified accounts). Net 30 days. This is a cash discount for invoices paid within 10 days after the invoice date, regardless of date of receipt of shipment. This is not a trade discount and will not be granted to accounts that do not adhere to stated terms.

\*All past due accounts are subject to a late payment fee of 1.5% per month or a maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees and costs.

\*Seller reserves the right to hold shipments against past due accounts.

\*Seller reserves the right to alter payment terms.

#### 3. FREIGHT TERMS

All shipments will be made F.O.B. shipping point as designated in these Terms and Conditions, and title shall pass at the F.O.B. point. Delivery to the initial common carrier shall constitute delivery to the Purchaser. Any claims for loss or damage during shipment are to be filed with carrier by the Purchaser. Seller will not assume responsibility for the performance of the carrier.

Back orders will be shipped in the most practical fashion with charges consistent with our freight policy established with the original order. UPS, FED EX, MAIL or shipments by other couriers are subject to the same terms and conditions as outlined in paragraph #3 "Freight Terms".

#### 4. DELIVERY, DAMAGES, SHORTAGES

Seller shall use reasonable efforts to attempt to cause the Products to be delivered as provided for in these Terms & Conditions. Delivery to the initial common carrier shall constitute the delivery to the Purchaser. Seller's responsibility, in so far as transportation risks are concerned ceases upon the delivery of the Products in good condition to such carrier at the F.O.B. point and all the Products shall be shipped at the Purchaser's risk. Seller shall not be responsible or liable for any loss of income and/or profits, or incidental, special, consequential damages resulting from Seller's delayed performance in shipment and delivery.

#### 5. RETURN OF DEFECTIVE PRODUCTS

Defective or failed material shall be held at the Purchaser's premises until authorization has been granted by Seller to return or dispose of Products. Products that are to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon Seller's inspection based on prices at time of purchase.

#### 6. PRODUCTS ORDERED IN ERROR

Products may be returned, provided that claim is made and Seller is notified within 7 days of receipt of Products, and the Products are in original buyer's possession not more than 30 days prior to return, subject to Seller's approval. If Products are accepted for return, they must be Freight Prepaid and buyer will be charged a minimum of 15% restocking charge, plus a charge back for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any Products that are specifically manufactured to meet the buyer's requirement of either specifications or quantity.

#### AGREEMENTS

These Terms and Conditions constitute the entire agreement between Seller and Purchaser as it relates to terms and conditions of sale, and supersedes any and all prior oral or written agreements, correspondence, quotations or understandings heretofore in force between the parties relating to the subject matter hereof. There are no agreements between Seller and Purchaser with respect to the Product herein except those specifically set forth in and made part of these terms and conditions. Any additional terms, conditions and/or prices are rejected by Seller.

These terms and conditions may be modified, cancelled or rescinded only by a written agreement of both parties executed by their duly authorized agents.

### USE ONLY GENUINE EDCO PARTS & ACCESSORIES

**For your own safety, the safety of others and the life of your machine.**

#### SUBMIT ALL WARRANTY CLAIMS AT:

[edcoinc.com/warranty-request-claim/](http://edcoinc.com/warranty-request-claim/)



## BEFORE USING THIS PRODUCT

Have You Used EDCO's Online Customer Support??



Scan This QRC or Visit  
[www.edcoinc.com/customer-support](http://www.edcoinc.com/customer-support)



**READ:** **EDCO Owner's Manuals and Parts Listings** share basic information and parts of each product. Download and print them whenever needed.



**WATCH:** **EDCO Product Training Videos** show how to use products, install tooling, and perform basic maintenance.



*Example Only*

**FIND:** Somewhere on this product is an **EDCO QRC Training Decal**. Scanning this code provides owner's information, videos, and other training content anywhere/anytime on your mobile device.



CONCRETE KNOWLEDGE

**JOIN:** **EDCOed.com** is a free, 24-hour training space. Each certification track focuses on a specific EDCO product group. The information in these tracks help businesses be successful with those products.

EDCO is always updating online training / information so you always have the most recent content.

Also see Operator's Safety & Limited Warranty Manual

Equipment Development Co., Inc. • 800.638.3326 • [techsupport@edcoinc.com](mailto:techsupport@edcoinc.com)