MAIN MENU

TEREX
LIGHT CONSTRUCTION

SERIES AL4000
LIGHT TOWER
OPERATION & SERVICE MANUAL

amida
Bartell
Benford
COLEMAN Engineering
morrison
MULLER

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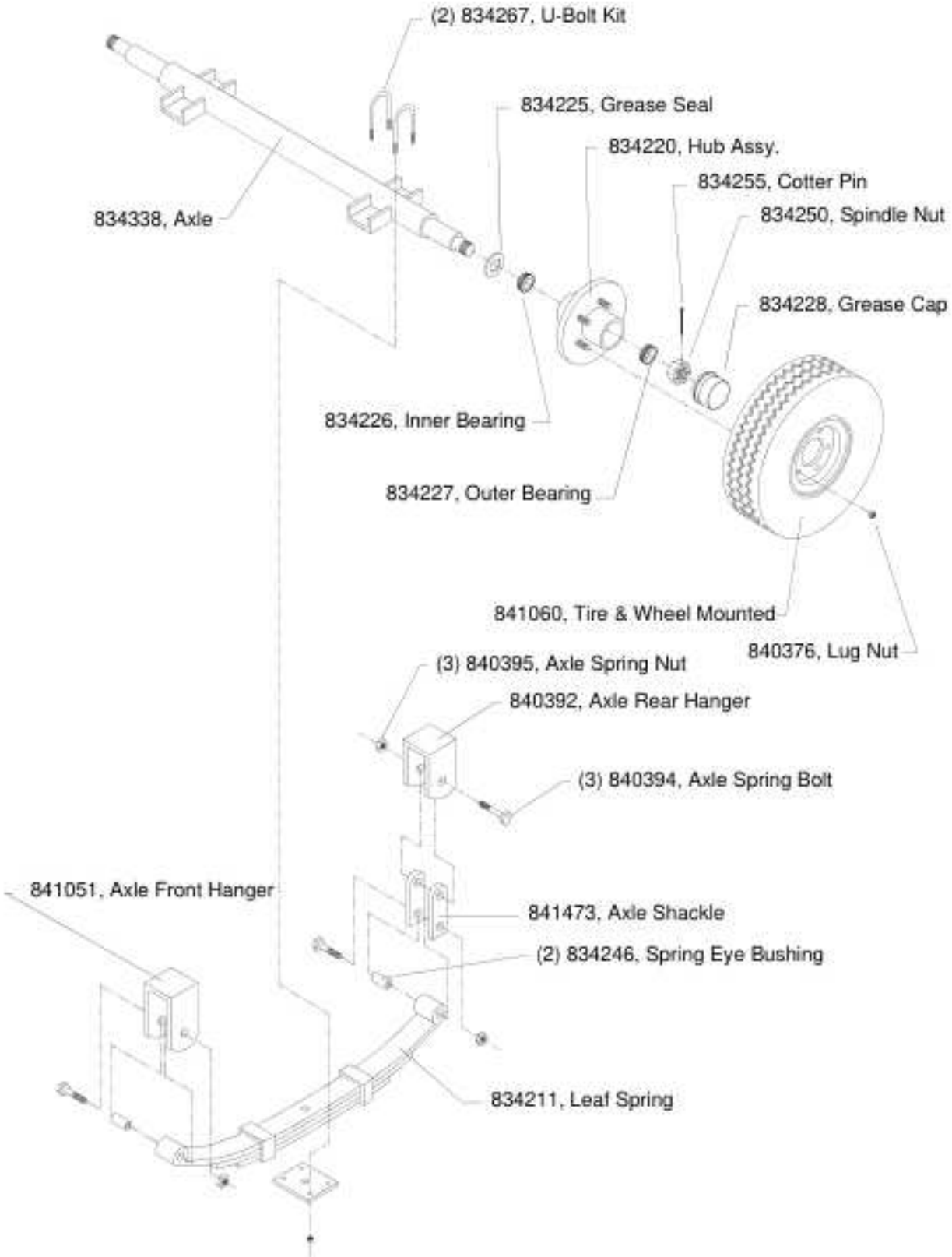
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amida	Model: AL4000 LIGHT TOWER	Page:
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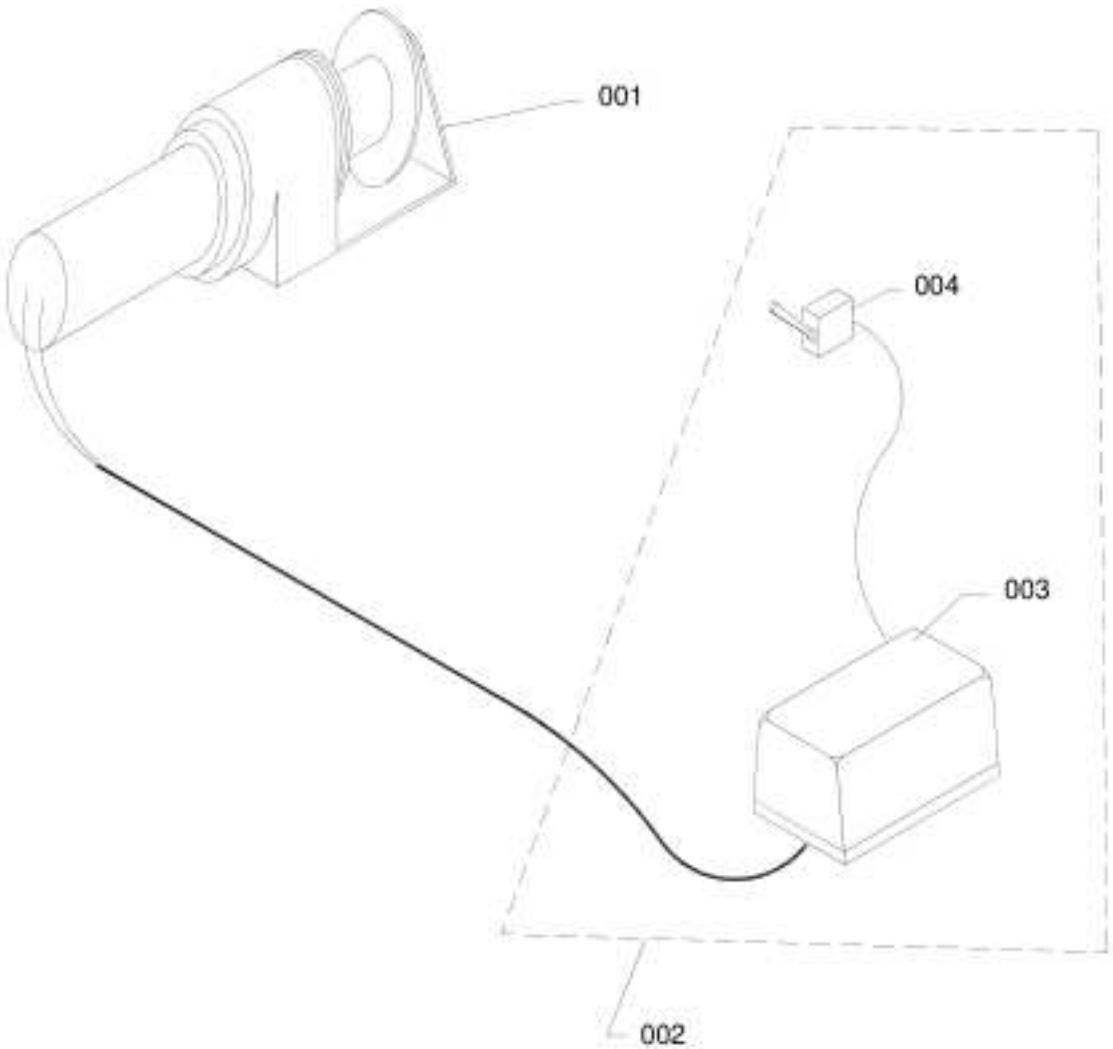
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DRAWING# 9609 - GENSET, ALPHA-LPA3 /L-S 6KW-AL4OOO

ITEM *	PART #	DESCRIPTION	U/M
-001	116360	MA-GENSET-ALPHA LPA3/ L-S 6KW/7.5KW/AL4OOO	EA
-002	732130	ENGINE,LISTER ALPHA LPA3,BUILD 8,12.1HP	EA
-003	630950	GENERATOR, L-S,8KW,38M7 N/A:USE PARTI# 630950	EA
-004	740400	AIR CLEANER BODY W/EL FWG05-2512 , PAINT-001BK	EA
-005	834450	DONALDSON P18-2050 AIR CLEANER ELEMENT	EA
-006	740443	TUBE,AIR CLEANER.DON HOOD EXT. 2X4.5	EA
-007	740430	AIR CLEANER HOOD GAX00-2018 , PAINT-4628G	EA
-008	834465	DONALDSON P10- 3198 A/C VACUATOR VALVE	EA
-009	124220	AS-AIR CLEANER BRACKET ALPHA/L-S ,3602, AL4000	EA
-010	740420	AIR CLEANER ELBOWS P10-5529 & 90HL2	EA
-011	740410	AIR CLEANER BANDS P00-2348 , PAINT-0018K	EA
-012	791580	CLAMP,HOSE #32 1-9/16 TO 2-1/2 S/S	EA
-013	742200	MUFFLER, LISTER ALPHA LPA3	EA
-014	795050	CLAMP,MUFFLER 1-3/4"ZP	EA
-015	188450	FP-MUFFLER TAILPIPE ALPHA-LPA3, 4357 ,AL4OOO	EA
-016	831998	LISTER 750-10190 AIR INLET DUCT ADAPTOR	EA
-017	187500	FP-AIR TUBE 8.25ID X6L XI" THK SPONGE	EA
-018	831993	LISTER 751-10620 OIL FILTER	EA
-019	631995	LISTER 750-10231 LOP SWITCH KIT	EA
-020	832750	SOLENOID LISTER 3-WIRE SYNCHRO START 1502ES	EA
-021	740920	VIBRATION MOUNT,3OOLB C8A20-300-11	EA
-022	185100	FP-GENERATOR MOUNT BAR L-S/LIMA, 2466, 4C/AL4	EA
-023	990410	WASHER ,FLAT, FENDER 2"ODX1-7/32"IDX16GA ZP	EA

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OPTION # 0LTX0690 WINCH, ELEC. 12V DC (STD) AL4000/LT5000

DWG/ITEM #	PART #	DESCRIPTION
001	160992	WINCH 12V
002	113583	WINCH SWITCH W/ SOLENOID ASS'Y
003	160993	WINCH SOLENOID
004	663780	WINCH TOGGLE SWITCH

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PERFORMANCE

- Brushless
- 4 Pole design
- Self excited with capacitors
- +/-5% voltage regulation at constant speed
- Inherent overvoltage protection

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TROUBLESHOOTING TIPS

- No voltage
  - Suspect a capacitor problem (They have a limited life)
- Correct voltage at no load but incorrect under load
  - Suspect a rotating diode problem
- Wrong voltage
  - Suspect an engine RPM problem
- Note: As a general rule, it is more cost effective to replace the unit under warranty if the rotating diodes and the capacitor are good.

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