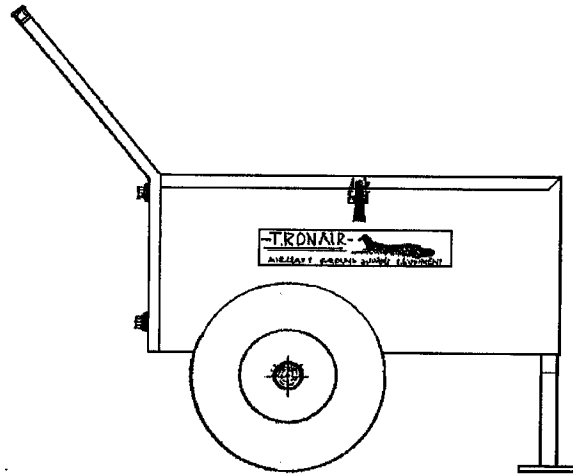




Operation & Service Manual



Model: 11-6602-1000
Batpak

12/1999 – Rev. 04

Includes Illustrated Parts Lists

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**Models: 11-6602-1000
BATPAK**

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**Models: 11-6602-1000
BATPAK**

1.0 DESCRIPTION

The Tronair Model 11-6602-1000-A2 Batpak is a completely portable, self-contained 24 volt D.C. Ground Power Unit (GPU).

Electrical power is provided by six (6) 12-volt high cycle lead calcium batteries grouped to provide 24-volt D.C. power.

2.0 SPECIFICATIONS/FEATURES

- Output (Batteries fully charged): 1300 AMPS initial peak at 19.5 volts
- Voltmeter: Provided to give status of battery condition
- Main Power Switch: Controls electric power to aircraft power cable

Note: This switch should not be switched when amperage draw exceeds 250 AMPS

- Charger Connector Receptacle: Battery recharging convenience
- Aircraft Power Cable: 20 feet
- Pneumatic Front Swivel Caster

3.0 ASSEMBLY



WARNING!

Exercise extreme care when working inside this unit to avoid possible electrical shock.

1. Generally check over unit and assure the tightness of all nuts, bolts and screws.
2. This unit is shipped fully assembled less the handle and a single electrical connection:
 - a. Bolt handle onto back of unit using four (4) 5/16-24 x 3 inch long bolts and corresponding 5/16 locknuts and flatwashers (included with unit).
 - b. Ensure Main power switch is set to "OFF". Connect jumper lead labeled "(-) Battery Lead" to the battery stud labeled "(-) Connection Point"; Reference Parts List Illustration – Page 4.

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4.0 OPERATION



WARNING!

Battery posts, terminals and related accessories contain lead and lead compounds; chemicals known to the State of California to cause cancer and reproductive harm.

Wash hands after handling.

1. Prior to utilization check battery condition using the voltmeter located in the control panel; 24 to 26 volts.
 - a. If battery output is less than 24 volts, it is recommended the batteries be charged using Tronair Model 92-0552-9000 or equivalent 24 volt D.C. battery charger.
2. Follow the aircraft manufacturer's recommendations on plugging the aircraft power cable connector into the aircraft receptacle. If no recommendations are provided, it is suggested the Main Power Switch be in the "OFF" position when the connector is plugged into the aircraft receptacle.

4.1 FOR OPTIMUM PERFORMANCE AND INCREASED BATTERY LIFE

- Keep unit warm.
- Re-charge batteries after each use.
- Charge on "SLOW" battery charger setting.
- Keep batteries charged during non-use periods.
- Keep battery connections clean.

Note: Refer to Appendix II - Delco Battery Service Bulletin 1B-116 and Material Safety Data Sheet for additional information.

5.0 MAINTENANCE

Periodically inspect your Batpak for loose connections and overall general condition. Make repairs as necessary.

5.1 SPECIFIC MAINTENANCE

- Recharge batteries individually, 12 volts D.C. at least every four (4) months.
- Keep battery connections clean and free of corrosion.
- Grease wheel bearings at least annually using wheel bearing grease.

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Parts List

Reference Parts List Illustration on Page 4.

REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	EC-1026	Battery	6
2	EC-1039	Assembly, Connector and Cable	1
3	J-1177	Bar, Connector	4
4	EC-1032-18	Cable, 2/0 Battery to Switch	1
5	EC-1031	Assembly, Aircraft Cable	1
6	EC-1037	Voltmeter	1
7	EC-1038	Switch, Main Power	1
8	Z-1204	Assembly, Axle	1
9	U-1010	Assembly, Wheel and Tire	2
10	H-1157	Bearing, Wheel	4
11	H-1156	Grease Seal, Wheel	2
12	G-1230-01	Nut, Axle	2
13	G-1301-03	Pin, Cotter Wheel Nut, 1/8" diameter x 1-1/2" long	2
14	H-1155	Dust Cap, Wheel Hub	2

OPTIONAL EQUIPMENT

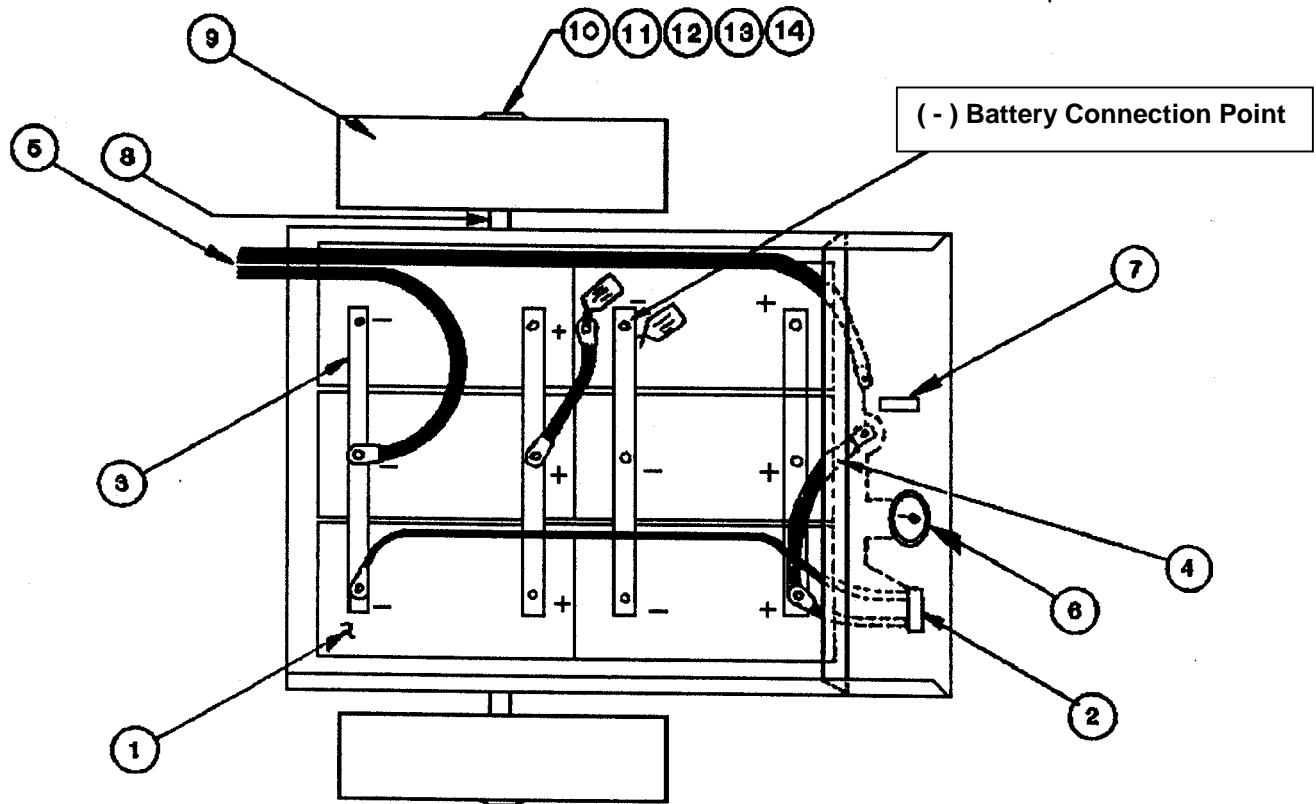
PART NUMBER	DESCRIPTION	QTY
EC-1040	Cable Connector (Not Shown)	1
92-0552-9000	Battery Charger (Not Shown)	1

ORDERING: When ordering spare parts or replacement parts, please reference item number, part number, nomenclature, equipment model number, serial number (if available), and parts list revision level.

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Parts List Illustration

Reference Parts List on previous page.



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APPENDIX I - 14 VDC HOOK UP

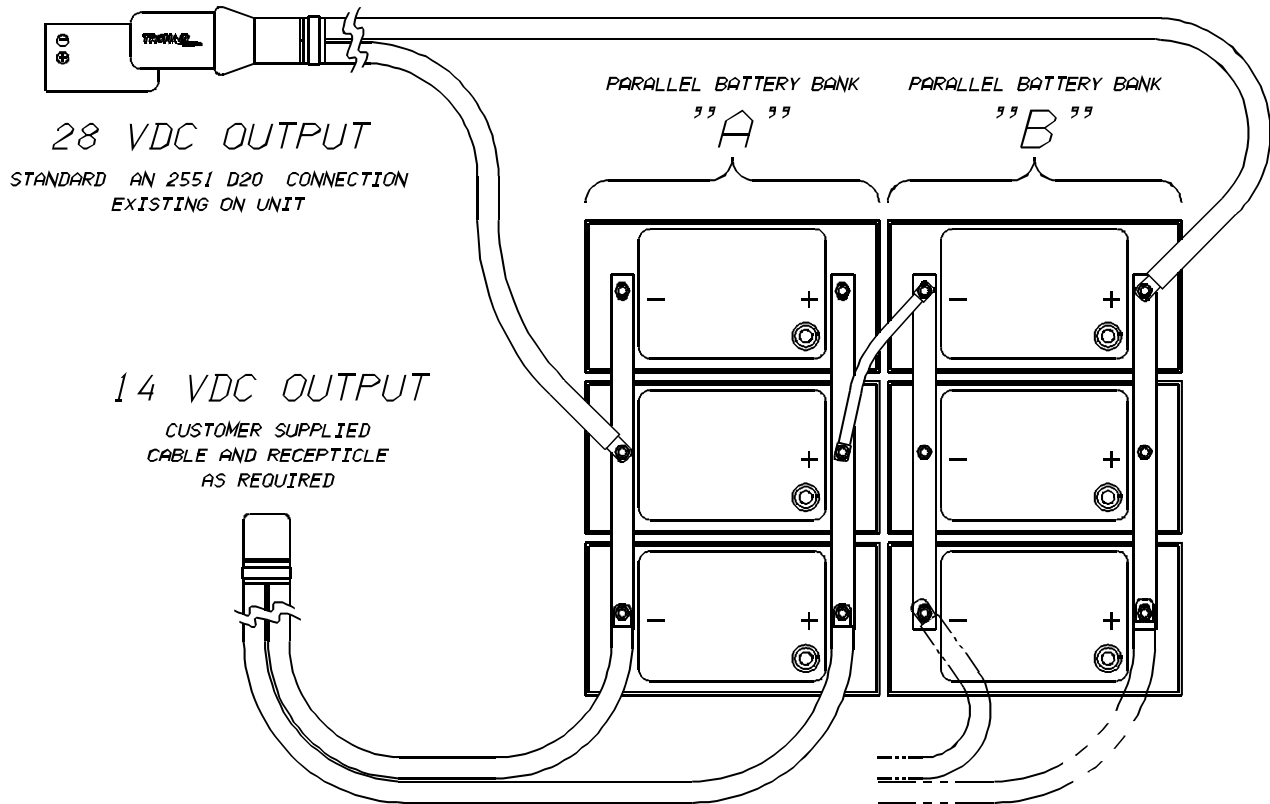
SCOPE: Your BATPAK can be used to supply 14 VDC power.

DISCUSSION: 14 VDC power can be supplied from either bank "A" or bank "B" of parallel connected batteries as shown below.



CAUTION!

Do not allow battery bank used to become overly discharged, always keep your batteries in peak condition; fully charged



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APPENDIX II

**DELCO BATTERY BULLETIN
&
MATERIAL SAFETY DATA
SHEET**

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