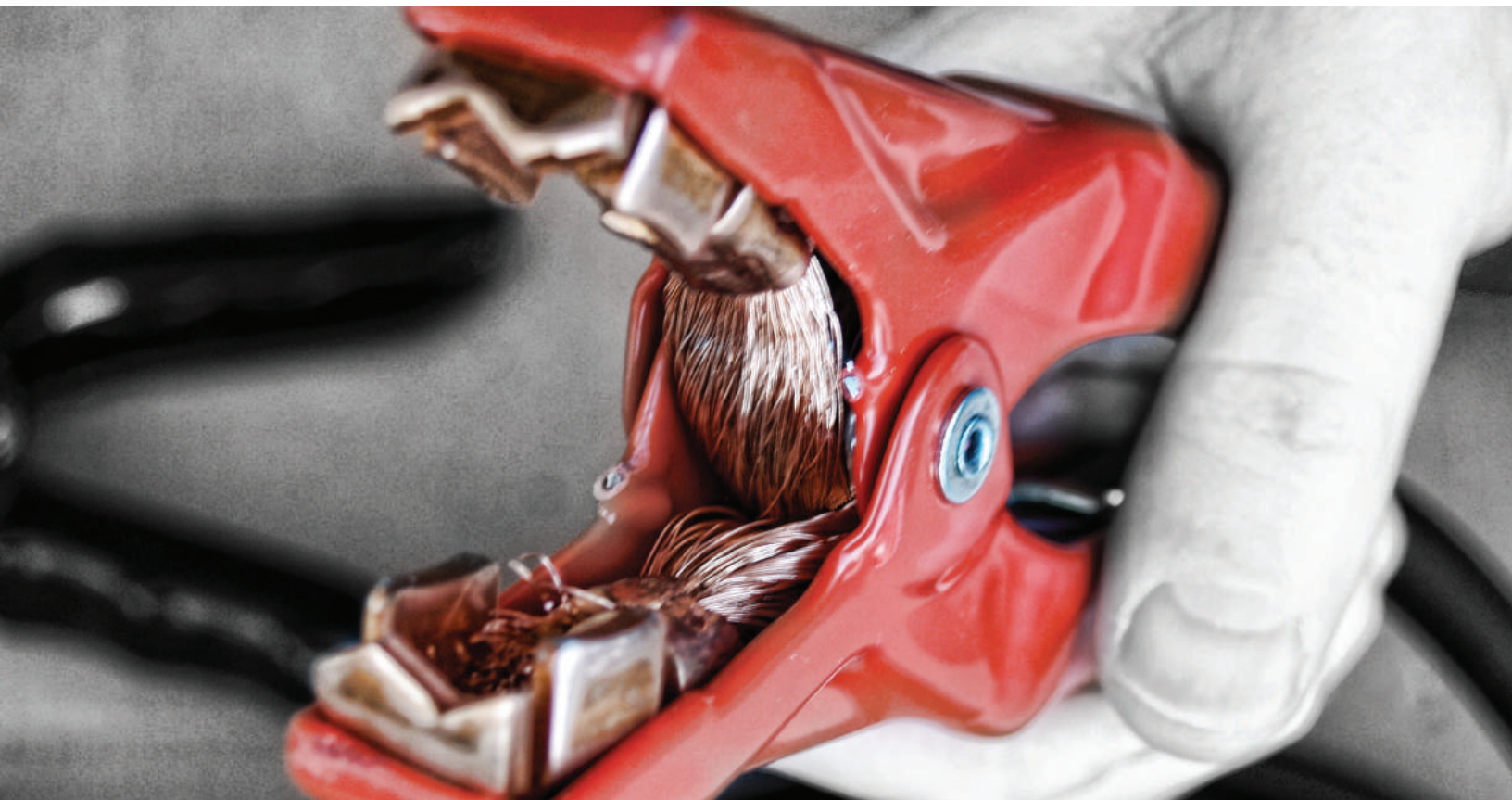




We Start Engines®

# Engine Starting Systems

Start•All Jump•Packs® • Cap•Start® • Boost•All® • Super Boost•All®



Since 1939, Goodall® Mfg. has set the standard for engine starting and mobile service equipment. Goodall®'s line of equipment includes a broad range of jump starters, air compressors, AC generators, and the highest quality, heavy duty cable and clamp products on the market. With this comprehensive selection of industry leading equipment, Goodall® can meet any starting and mobile service challenge.



### Look for the logo that delivers built-in safety!

The innovations in safety technology include: reverse polarity, low voltage protection, short circuit, overheat protection, over discharge protection, over voltage protection, and open-clamp protection.



## Lithium-Ion Jump Starters & Power Packs

**Jump Your Vehicles — Charge Your Devices**



**2500 Amps • 18800 Joules<sup>5S</sup> • 12 Volts**

ENGINE:	Instantly jump start gasoline engine up to 6.0L and diesel engines up to 4.0L
DIMENSIONS:	Unit Dimensions: 8.5"(L) x 3.5"(W) x 9.5"(H)
UNIT WEIGHT:	4.4 lbs. (1.99 kg)
BATTERY TYPE:	High output premium lithium-ion
CAPACITY:	59.2 Watt-hours (59,200 mWh)
JOULES <sup>5S</sup> :	18800
AMPS:	2500 Amps (<200 ms)
VOLTS:	12
LIFETIME PERFORMANCE:	Up to 5000 starts
STORAGE TEMP:	40° F to 75° F (-4°C to 24°C)
WARRANTY:	One year



**Lightweight! Only 4.4 lbs.!**



JP-12-2500





# START-ALL®

JUMP-PACK



**5000 Amps • 66000 Joules<sup>SS</sup> • 12 Volts**

ENGINE:	Instantly jump starts engines up to 10 liter diesel and gas
DIMENSIONS:	10.78" (L) x 4.33" (W) x 10.93" (H)
UNIT WEIGHT:	9.4 lbs. With case: 17 lbs.
BATTERY TYPE:	High output premium lithium-ion
CAPACITY:	118.4 Watt-hours (118,400 mWh)
JOULES <sup>SS</sup> :	66000
AMPS:	5000 Amps (<200 ms)
VOLTS:	12
LIFETIME PERFORMANCE:	Up to 5000 starts
STORAGE TEMP:	40° F to 75° F (-4°C to 24°C)
WARRANTY:	One year



**Lightweight! Only 9.4 lbs.!**



**10,000 Amps • 133200 Joules<sup>SS</sup> • 12 Volts**

ENGINE:	Instantly jump starts engines up to 16 liter diesel
DIMENSIONS:	10.78" (L) x 4.33" (W) x 10.93" (H)
UNIT WEIGHT:	11 lbs. With case: 17 lbs.
BATTERY TYPE:	High output premium lithium-ion
CAPACITY:	236.8 Watt-hours (236,800 mWh)
JOULES <sup>SS</sup> :	133200
AMPS:	10,000 Amps (<200 ms)
VOLTS:	12
LIFETIME PERFORMANCE:	Up to 5000 starts
STORAGE TEMP:	40° F to 75° F (-4°C to 24°C)
WARRANTY:	One year



**Lightweight! Only 11 lbs.!**



**BOOST-ALL**<sup>®</sup>  
START-ALL

**Heavy Duty Wheeled Starting Equipment Battery Powered**

**Portable Jump Starting Solutions for Repair Shops, Parking Lots and Garages**

**1800 Amps • 12/24 Volts**

POWER SOURCE	(2) Group 31 AGM batteries
JUMP STARTING	12/24 volt
CABLES	10' 4/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	20" W x 26" D x 48" H 77 lbs.

**Features:**

- Fully automatic internal AC charger to keep battery in ready-to-use condition
- Extra large pneumatic tires for easy mobility
- Volt metered to monitor battery charge level of the Boost-All<sup>®</sup> or vehicle

Requires 2 group 31 AGM batteries, 3/8" threaded top post, 900 CCA or higher (batteries not included)



Plug it in and leave it plugged in. Ready when you need it. Integrated, fully-automatic 120 volt AC charger.

13-224

**SUPER BOOST-ALL**<sup>®</sup>  
START-ALL

**Heavy Duty Starting Equipment Battery Powered Permanent Mount on Service Trucks**

**Vehicle-Mounted, Battery Powered, Heavy-Duty, Turn-Key Starting Solutions**

**12/24 Volts**

POWER SOURCE	2 or 4 auxiliary jump starting batteries
CABLES	25' 2/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	10" W x 12" D x 10" H 50 lbs. (w/o batteries)

Output dependent on number of auxiliary batteries.



13-425

## **SUPER BOOST•ALL**

With Protect•All™

### **12/24 Volts**

POWER SOURCE	2 or 4 Group 31 batteries
JUMP STARTING	12/24 Volt
CABLES	25' 2/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	15" W x 9" D x 16" H 48 lbs. (with cables)



**PROTECT•ALL**  
Safety Technology

13-492-001

Make it a complete kit: battery box, group 31 batteries, booster cables, and connecting cables available.

## **CAP•START**

### **Capacitor Powered Heavy Duty Engine Starting Systems for Instantaneous Starting Power**

#### **Battery Driven**

### **1500 Amps • 24 Volts**

POWER SOURCE	Super Capacitor & (2) Group 31 AGM batteries
JUMP STARTING	24 volt
CABLES	26' 4/0 ga.
CLAMPS	1,000 AMP Full Power
DIMENSIONS	44" W x 20" D x 14" H 309 lbs.



13-097-10

#### **Features:**

- Capacitor can be recharged 500,000 times
- Power cells are maintenance free
- Operating temperature range from -49°F to 122°F
- Quick disconnect red plug for plug-to-plug operation
- Includes reverse polarity and dead start circuitry protection





## Engine Driven

Fast self-recharging rate of 15 seconds to start vehicle after vehicle in rapid succession.

### 3000 Amps • 12/24 Volts

12V & 12V/24V STARTING	Up to 3000 AMP Starting Capability
DC ALTERNATOR	240 AMP 12V/24V DC
CABLES	30' 3/0 ga.
POWER SOURCE	Vanair® Super Capacitor (VSC™) and 14.5 HP Briggs & Stratton® Engine
FUEL TYPE	Gasoline
FUEL CAPACITY	Integrated 1.725 Gallon Tank
DRIVE SYSTEM	V-Belt
BATTERY	Integrated
DIMENSIONS	21" W x 36" D x 20" H 295 lbs.

**CAP•START**®  
START•ALL

**Cap•Start® 3000 Safeties:** Weather protected electrical enclosure, reverse polarity protection, open, closed or low circuit safety, low engine oil pressure shutdown, engine over-temperature shutdown, self regulating 3-stage charging system.



## Engine Driven Plus Air Compressor

### 3000 Amps • 12 Volts • 24 CFM

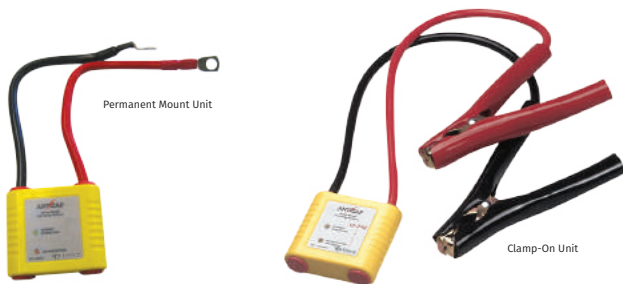
12V & 12V/24V STARTING	Up to 3000 AMP Starting Capability
DC ALTERNATOR	240 AMP 12V/24V DC
POWER SOURCE	Vanair® Super Capacitor (VSC™) and 19 HP EFI Kohler® Engine
CABLES	30' 3/0 ga.
CFM RATING	24 CFM
AIR PRESSURE	175 PSI Max. Pressure
COMPRESSOR TYPE	Reciprocating
FUEL TYPE	Gasoline
FUEL CAPACITY	Plumb to Chassis or Remote 11 Gal. Tank
DRIVE SYSTEM	Dual V and Micro V Serpentine
BATTERY	Tie to chassis
DIMENSIONS	21" W x 45" D x 27" H 575 lbs.

**CAP•START**®  
START•ALL

**Cap•Start® 3000 Safeties:** Weather protected electrical enclosure, reverse polarity protection, open, closed or low circuit safety, low engine oil pressure shutdown, engine over-temperature shutdown, self regulating 3-stage charging system.



## Surge Protection and Cable Accessories



### Antizap Surge Protection\*

Eliminates the need to disconnect the battery from the terminal while welding. Provides protection for sensitive electronics.

- Protects vehicle electronics during MIG, TIG, or Argon Arc welding
- Fully insulated booster clamps with 2-function AntiZap protection
- Eliminates the time needed to disconnect the battery
- Just clip the clamps across the battery and the green LED indicates complete electrical system protection



### Plug-to-Plug Cables

Available in the following configurations:

- 20 ft. standard duty kit, 4 gauge with blue plug 5 ft. battery to plug, 15 ft. plug to 400 AMP clamps with weather cap
- 30 ft. standard duty kit, 4 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400 AMP clamps with weather cap
- 20 ft. heavy duty kit, 2 gauge with blue plug 5 ft. battery to plug, 15 ft. plug to 500 AMP clamps with weather cap
- 30 ft. standard duty kit, 2 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400 AMP clamps with weather cap
- 30 ft. extreme duty equipment kit, 1/0 gauge with red plug 5 ft. battery to plug, 25 ft. plug to 800 AMP clamps with weather cap
- 30' heavy-duty stainless steel bumper box kit — red polarity-protected plug, weatherproof stainless steel bumper box with 5' connector cable, 25' 1/0 gauge duplex welding cable with 800 AMP clamps



### Antizap Booster Cable Upgrade\*

The Antizap surge protector provides protection for delicate electronics around transient voltage spikes or voltage surges. 12/24 heavy unit duty that fits up to 3/8" diameter or 2/0 gauge cable.

- For heavy duty jumper leads 12 and 24 volt protection
- LED's indicate correct polarity and low voltage at donor battery
- Suits cable 3/8" diameter or 2/0 gauge cable.

*\*Ensure your vehicle is correctly grounded before welding.*



### Clamp-to-Clamp Cables

Available in the following configurations:

- 1/0 gauge, 1000 AMP - industrial
- 2 gauge, 500 AMP - heavy duty
- 4 gauge, 400 AMP
- 4 gauge, 450 AMP



We Start Engines®

800.526.8817 | [goodallmfg.com](http://goodallmfg.com)



*Vanair's **There***