



DC-Matic Enterprises, Inc.
Bedford, Texas

Cage Code: 6BDR1

WWW.DCMATIC.COM

Introducing the Model TL-900 & NATO START

24 VDC Products

**A perfect fit for the Domestic and
International missions undertaken by today's
U.S. Armed Forces**

3/4 Inch Drive Impact Wrench



Power the tool from the vehicle mounted NATO 24V slave receptacle

or....



A specially designed portable, rechargeable power pack

Having a TL-900 in the field means there is no need to wait for a chase truck with an air compressor and a pneumatic tool or to drag such equipment around the motor pool !

Tool Specifications & Features

- **3/4 Inch Square Drive**
- **1,050 Ft/Lbs. of impacting torque**
- **Hard striking, twin-hammer impact mechanism**
- **Impact and solvent resistant housing design**
- **Tool weight (portion held in hands) = 27 Lbs.**
- **Two-position tool stabilizing handle**
- **Industrial grade, high output 4-pole motor**
- **Easy access motor brush replacement ports**
- **Internal motor thermal protection shut-off**
- **Flexible, weather resistant power cables**
- **Forward projecting, 12-cluster LED work light**
- **Limited 1-year warranty**

Power Cable Specifications

- **U.S. made twin-lead # 4 AWG welding style cables**
- **Flexible down to minus 40 degrees F**
- **U.S. military approved NATO plug with protective cap**
- **Genuine 175 amp Anderson quick connector with protective boot**
- **Cable length = 25 feet (8 meters)**



**3 and 8 Meter
extension cables
are also available**



Power Pack Specifications

- **Compact, heavy-duty design**
- **High-output, thin plate, VRLA batteries**
- **Genuine 175 amp Anderson quick connector**
- **Durable, weather tight thermoplastic housing**
- **Weights approximately 29 lbs**
- **State-of-charge LED volt meter**
- **Fast, 3-step, automatic battery charger**



25.8 volts= full charge



Proven Problem Solver

Use by Armed Forces personnel has proven that a Model TL-900 can quickly remove stubborn...

- **Disc Lock Lug Nuts on Line Haul Trucks**
- **Drive Line Yokes on Stryker's**
- **Road Wheels on M-88's**
- **Track Pads on Heavy Equipment**
- **M1A2 Drive sprocket nuts and more**



No more need to use a cheater pipe/tent pole to remove stubborn fasteners. A procedure Guardsmen stated often causes shoulder and ankle injuries.

Wheeled Vehicles

The Model TL-900 is a perfect match for the 10-ton HEMTT wrecker (pictured). With wheel nuts torqued in place @ 680 ft/lbs, the DC Matic Model TL-900 will remove each one in 2 seconds or less !

Seeing is believing... check out videos of the Model TL-900 in action with the Texas National Guard at our company website.



This way took well over an hour !



This way took less than 15 minutes !

Tracked Vehicles

According to the Texas National Guard the hardest task they must perform in the field is the removal of the nuts that secure a tank's drive sprockets. Torqued in place at near 800 ft/lbs, removing these nuts is very physically demanding. To their delight, removing each one with a Model TL-900 took an average of 5 seconds or less !



Please note that when tightening each sprocket nut, a “torque-limiting” extension was used to ensure the proper torque (+ or – 10 %).

DC Matic offers 5 torque-limiting extensions calibrated to 175, 250, 350, 475 and 650 ft/lbs. For more information visit our website.

← **M88 Drive
Sprocket**

Important Safety Feature

The TL-900's forward-positioned, 12 cluster LED safety work light makes the task at hand safer and quicker to perform in zero or low light conditions.

Service personnel have used the work light while underneath large vehicles where their sight is often very limited.



“Patent Pending” Technology

Each Model TL-900 is loaded with new innovative features that set it apart from other power tools.



Assembled in U.S.A.

User Benefits

SAFE – Safe to use in all types of weather conditions day or night. Injuries caused by blown air hoses or faulty air line couplers will not be a factor

EASY – Simple to operate - greatly reduces strain on all personnel (male and female)

EFFICIENT – Saves time and labor - reduces the dependency on costly, heavy, maintenance intensive air tools and compressors

PORTABLE – The Model TL-900 can be used anywhere a suitable source of 24 VDC power is available

DURABLE – Designed specifically for tough field applications and environments – virtually maintenance free

REDUCES INJURIES– No more need to seek out and use a cheater pipe or tent pole to create leverage when removing stubborn fasteners



NATO Jump Starter



From the lightest wheeled vehicle to the heaviest tracked vehicle in the fleet... a NATO START will get each one quickly and safely started in all types of weather conditions !



Features

- Unit weight = 29 lbs.
- Durable, Weatherproof plastic housing
- Flexible, 4 AWG, twin-lead, welding style cable
- Genuine NATO approved male connector plug
- State-of-the-art LED voltage meter
- 90-240 vac “world charger”
- Connector protection boots
- Delivers 1,800 amps on demand

The NATO START utilizes ultra thin battery plate technology... that under the harshest of weather conditions will consistently crank out 2-3 times more engine starting power than conventional starter, lights, ignition (SLI) batteries.



DIAGNOSTIC TOOL

*Personnel at Texas National Guard FMS-15 (Fort Worth) used a **NATO START** to jump-start a LMTV that was known to have a dead set of batteries and possibly a defective alternator. The vehicle quickly started with the unit's on board LED voltage meter revealing that the alternator was putting out 27.5 volts. With this information technicians determined that only the set of starting batteries needed replacement. Three additional LMTVs were started or diagnosed with the **NATO START** in less than 15 minutes.*

To see a video of the NATO START in action at FMS-15 go to.....

www.natostart.com



27.5 Volts

For more information contact:

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