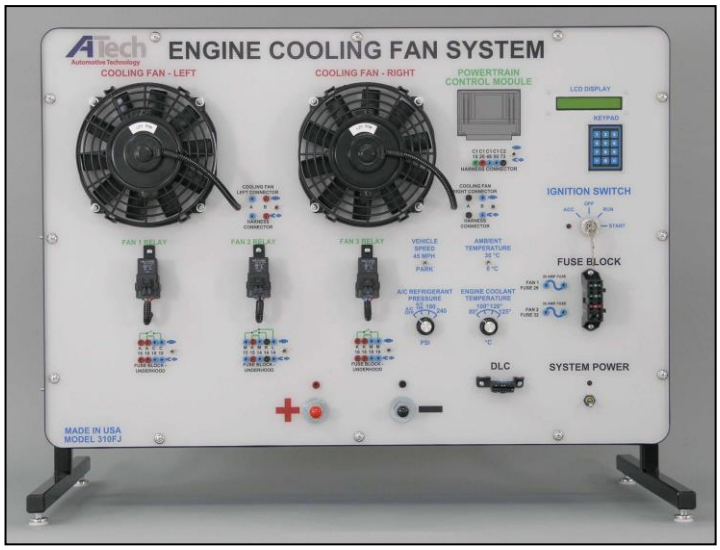
ENGINE COOLING FAN SYSTEM TRAINER – J1850 (MODEL 310FJ)

This trainer is part of an electrical systems program designed for teaching the operation and troubleshooting of Automotive Engine Cooling Fan Systems.



CONSTRUCTION

The trainer cabinet is constructed of laminated plywood with a front panel of Lexan and underlying surface graphics. The supporting T-Bar legs are produced from 1″ square steel tubing and powder coated in black (rather than painted) for increased durability and scratch resistance.

COMPONENTS

Model 310FJ Engine Cooling Fan Systems use actual late-model vehicle components, along with other features, including:

Derale 8″ Cooling Fans
Fan Relays
Connector Tip Jacks
Fuse Block
Keypad/LCD Display
Power Supply Posts
Data Link Connector (DLC)
Ignition Switch
A/C Refrigerant Pressure Control Knob
Engine Coolant Temperature Control Knob
Vehicle Speed Control Switch
Ambient Temperature Control Switch

TRAINER OPERATION

The 310FJ Trainer is an actual PCM-controlled Engine Cooling Fan System and is capable of duplicating the operation of the Original Equipment System.

SYSTEM DIAGNOSTICS & FAULT INSERTION

This unit provides for an advanced level of instruction by duplicating actual on-vehicle operation and troubleshooting. The system runs actual Service Manual test procedures and all wire colors are consistent with the original vehicle and schematics. It is also scan tool compatible.

In addition to Service Manual tests, faults can also be inserted into this trainer directly via the built-in keypad or remotely from an Instructor's computer. A separate no-cost software interface, the Instructor's Management Program (IMP), is included and allows both hard and intermittent faults to be entered.

COURSEWARE

A complete set of courseware materials is included with this unit at no additional cost. The set is provided in Adobe PDF file format on either CD-ROM or USB Flash Drive and includes:

- A Student Manual with activities and Worksheets written specifically for the ATech Cooling Fan System Trainer, and based on NATEF required tasks.
- An Instructor's Guide to assist in managing/facilitating the program material. Instructor Guides provide both product information and correct answers for the Student Manual questions/worksheets
- Original Equipment Manufacturer's Service Manual Information for use during student activities and system diagnosis.
- An Operations Manual which provides instructors with information on Trainer Orientation, Start-up Procedures, Equipment Operation, Maintenance and Service.
- NATEF Performance Task and Record Keeping Sheets to track and validate the progress of each student as the various tasks are completed

POWER REQUIREMENTS

This Cooling Fan System trainer has the following electrical supply requirements:

- A 12VDC 15A Power Supply or Automotive Battery (not included).
- A 115VAC/60Hz source for the internally mounted power supply. The input voltage for the power supply must be filtered and regulated with fused protection. In addition, its power cord must be compatible with the North American (Nema 5-15) standard.

Optional 220VAC/50Hz configurations are available.

Current Draw is approximately 11 Amps.

SHIPPING

- This trainer has an approximate shipping weight of 70 lbs (32 Kg).
- Shipping container size is approximately 41″W x 17″D x 29″H (104cm x 43cm x 74cm).
- All shipping cartons are made from 100% recycled paper.

For more information and/or price quotes, please contact ATech via Phone: (859) 485-7229, Toll Free: 1-888-738-9924, Fax: (859) 485-7299, or Email: sales@atechtraining.com.