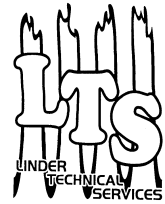


# *Networking*

*Newsletter*



## ***TECH TRAINING***

### **IGNITION SYSTEM CURRENT RAMPING “THE PROJECT”**

If you have spent much time on the iATN TDF (Technical Discussion Forum) lately, you have probably seen the long thread on the ignition system current ramping project. The discussion has been going on since November 22 and has had over 125 hits. Recently it was suggested that we have “workshop” where everyone could get together and share what they have learned while re-searching this “project”.

The tentative outline for the ignition workshop is as follows:

1. Quickly review secondary scope patterns including the dwell and firing section (Jim Linder & Mac Vandenbrink)
2. Move to primary voltage patterns and their relationship to secondary
3. Individual presenters will then discuss various parts of the primary current pattern: (John Thornton, Jim Linder, Mac Vandenbrink, Randy Dillman and others)
  - a. Primary current turn-on: oscillations
  - b. Primary current turn-on: the ramp (straight or curved)
  - c. Current limit/control and coil saturation (PCM and module/ignitor control)
  - d. Primary current turn-off: what’s happening in the coil
  - e. Primary current turn-off: the tail and open secondary

The current ramping ignition workshop will be the first of three workshops this year. The other two workshops will be focused on current ramping fuel pumps and current ramping fuel injectors. (Dates for the remaining workshops will be announced later).

The current ramping ignition “workshop” will be held here in Indianapolis either at our Gasline Alley location or (depending on the number of attendees) at a local trade school. The dates are March 10 and 11, 2001 and there is **NO CHARGE** to attend. However, we ask that you register via e-mail ([jimlinder@juno.com](mailto:jimlinder@juno.com)) or call Michele at 317-487-9460 **NO LATER THAN February 28, 2001.** If you choose to register by e-mail, please include your name, company you work for and a daytime phone number where you can be reached. We have already registered over 30 people for the weekend workshop. Keep your eye on iATN for location/directions, hotel information and any last-minute changes. A few people have indicated they would like to drive down to “Lindernapolis” in their motor homes. LTS has a large paved parking lot that will easily accommodate several motor homes for those of you who prefer to travel that way.

As always, there is much to learn and share when a group of great minds gather for a workshop like this. We look forward to seeing everyone on March 10 & 11!

## WHAT'S HAPPENING AT LTS..... THE OFFICIAL 2001 SCHEDULE!

Our local training and remote seminar schedule is complete for the entire 2001 year. You will also find this information on our website at [www.lindertech.com](http://www.lindertech.com). For updates and last-minute changes, please refer to the website.

**Please note: The asterick (\*) denotes local classes at our Gasoline Alley facility.**

### **JANUARY**

- 9 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 10-11 Remote seminar in Cary, N.C. on ignition with Mac Vandenbrink, the ignition "guru"

### **FEBRUARY**

- 2-4 500 World of Wheels show at the Indianapolis Convention Center. Linder Technical Services will have a trade show booth with Jim, Doug & Michele.
- 5-6 \* Evening classes, Master Technician series (Level 3 Advanced) with Randy Fox
- 6 \* Daytime class, Pro Technician series (Level 2) with Michele Winn
- 7 \* Daytime class, D.A.T.A. Center/Master Technician series (Advanced) with Jim Linder
  
- 7-8 \* Evening classes, DATA Center group with Jim Linder & Doug Garriott
- 10 \* PMTA (Professional Master Technician Association) Lexington group
- 13 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 16-18 Remote training seminar in Orlando Florida for AVI (Automotive Video, Inc.) on "How to make more money with Current Ramping" taught by Jim Linder.
- 19-23 \* Guru School
- 24-25 Remote seminar for ASA (Automotive Service Association) in Kansas City on Fuel Injection co-taught by Jim & Doug. Randy Dillman (of LTS North) will teach "Broke Car 101". LTS will also have a trade show booth.
- 27-1 Remote seminar for AASP (Alliance of Automotive Service Providers) in Minnesota, taught by Jim Linder.

### **MARCH**

- 5-6 \* Evening training classes, Master Technician series (Level 3 Advanced) with Randy Fox
- 6 \* Daytime training class, Pro Technician series (Level 2) with Michele Winn
- 6-7 \* Evening training classes, DATA Center group with Jim & Doug
- 7 \* Daytime training class, D.A.T.A. Center/Master Technician series (Advanced) with Jim Linder
- 10-11 \* Current "workshop" (for more info., call 317-487-9460 or check the Industry Events Forum on iATN)
- 13-14 Remote seminar for VAPSA (Virginia Automotive Parts and Service Association) taught by Jim Linder
- 13 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 19-23 \* BMW Guru School
- 29-1 Remote seminar for ASC (Automotive Service Council) in Ontario, California on Fuel Injection co-taught by Jim & Doug. LTS will also have a trade show booth.

### **APRIL**

- 7 Remote seminar for ASA in Columbus, Ohio. Jim and Randy will teach classes. Doug will have a trade show booth.
- 9-10 \* Evening training classes, Master Technician series (Level 3 Advanced) with Randy Fox
- 10 \* Daytime training class, Pro Technician series (Level 2) with Michele Winn

**APRIL (cont.)**

- 11-12 Remote seminar in Cary, N.C.
- 11-12 \* Evening training classes, D.A.T.A. Center group with Jim & Doug
- 11 \* Daytime training class, D.A.T.A. Center group/Master Technician series (Advanced) with Jim
- 14 \* PMTA training
- 17 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 23-27 \* Guru School

**MAY**

- 1-13 Jim Linder's annual VW Bug trip thru Tennessee with his teardrop trailer
- 7-8 \* Evening classes, Master Technician series with Randy Fox
- 8 \* Daytime class, Pro Technician series (Level 2) with Michele Winn
- 9-10 \* Evening classes, D.A.T.A. Center group with Jim & Doug
- 15 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 19-20 \* BMW training

**JUNE**

- 4-5 \* Evening classes, Master Technician series (Level 3 Advanced) with Randy Fox
- 5 \* Daytime class, Pro Technician series (Level 2) with Michele Winn
- 6 \* Daytime class, D.A.T.A. Center group/Master Technician series with Jim Linder
- 6-7 Remote seminar in Cary, N.C.
- 6-7 \* Evening classes, DATA Center group with Jim & Doug
- 9 \* PMTA Lexington group
- 12 \* Mac Tools training with Scott Hessler
- 18-22 \* Guru School

**JULY**

- 10 \* Mac Tools training with Scott Hessler
- 13-15 \* Guru 2
- 23-27 \* BMW Guru School

**AUGUST**

- 2-5 Bubba's teardrop trailer sales at the Louisville Street Rod Nationals
- 14 \* Mac Tools training with Scott Hessler
- 20-24 \* Guru School

**SEPTEMBER**

- 3-4 \* Evening classes, Master Technician series(Level 3 Advanced) with Randy Fox
- 4 \* Daytime class, Pro Technician series(Level 2) with Michele Winn
- 5 \* Daytime class, D.A.T.A. Center group/Master Technician series with Jim Linder
- 5-6 \* Evening classes, DATA Center group with Jim & Doug
- 5-6 Remote seminar in Cary, N.C.
- 11 \* Mac Tools training with Scott Hessler
- 14-16 \* 6th Annual LTS Technician Conference!
- 29 Remote seminar for ASA in Columbus, Ohio. Jim and Randy will teach classes. Doug will have a trade show booth.

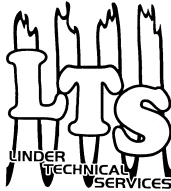
**OCTOBER**

- 5-7 Bubba's Garage in Newport, Indiana with Jim & Doug
- 5-7 iATN convention in Detroit, MI
- 8-9 \* Evening classes, Master Technician series(Level 3 Advanced) with Randy Fox
- 9 \* Daytime class, Pro Technician series(Level 2) with Michele Winn

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## LTS 2001 SCHEDULE (cont.)

### OCTOBER (cont.)

- 10 \* Daytime class, D.A.T.A.Center group/Master Technician series with Jim
- 10-11 \* Evening classes, D.A.T.A. Center group with Jim & Doug
- 12-14 Automotive Career Development Conference in Central Massachusetts. Jim will teach on Saturday and Doug will have a booth at the trade show. (Call 800-939-7909 or visit [www.auto-career.org](http://www.auto-career.org) for more info)
- 15-19 \* Guru School
- 23 \* Mac Tools training on the Mentor/Genysis with Scott Hessler
- 23-24 Remote seminar for UCI in Norfolk & Richmond, Virginia taught by Jim
- 29-3 LTS Closed for Industry Week in Las Vegas! Remote seminar by Jim. LTS will have a booth at the ASA Cars show.

### NOVEMBER

- 6 \* Mac Tools training with Scott Hessler
- 12-13 \* Evening classes, Master Technician series (Level 3 Advanced) with Randy Fox
- 13 \* Daytime Class, Pro Technician series (Level 2) with Michele Winn
- 14 \* Daytime class, D.A.T.A. Center group/Master Technician series with Jim
- 14-15 \* Evening class, D.A.T.A. Center group with Jim & Doug
- 17 \* PMTA training