SCRTTC

Southern California Regional Transit Training Consortium

COURSE NAME: **Hybrid Vehicle Safety Course**

Course Item Number: **#SC-HY-4000-I**

Prerequisites: Transit Employee Orientation and Safety Course

Course Description: This safety presentation will provide students with a good understanding of the ISE ThunderVolt™ TB42-HG (Transit Bus, 40-foot, Hybrid Gasoline) hybrid drive system. It is assumed the student will have a working knowledge of all basic conventional bus systems. Students shall keep in mind this presentation is intended to provide a general understanding of safety do's and don'ts of working around high voltage hybrid drive system.

For safety reasons, we strongly discourage any attempt by untrained personnel to operate a bus equipped with the TB42-HG hybrid drive system.

Course Benefits: The benefit of this course is designed to expose the students to all the safety aspects of the Hybrid vehicle. Students will gain knowledge about differences between a conventional bus and hybrid bus and the importance of understanding high voltage equipment and how to indentify it.

What one will learn:

- Safety aspects of the hybrid bus
- Areas of High Voltage and High Voltage Safety Equipment
- Ultra-capacitor Discharge Procedure
- High Voltage Measurement
- Gasoline System Safety
- Hydraulic System Safety (Similar to conventional buses)
- Rooftop Access Safety (Transit System will provide.)

Course Times: 9:00am – Noon and/or 1:00pm to 5:00pm
(SUBJECT TO CHANGE – CHECK REGISTRATION)

Number of Hours/Days: ½ - Day (3-Hours)

Continuing Education Units (CEU): 0

Register Online **today**
www.scrttc.com

v April 2010

COURSE OUTLINE

- Gasoline Hybrid Safety Training
  - Area of High Voltage
    - Orange Cables
    - Inverters
    - Generator
    - Drive Motors
    - Accessory Drive Motor
    - A/C System
  - High Voltage Safety Equipment
    - 1000VDC CAT-III digital multi-meter and leads
    - Non-Conductive (rubber sole) Shoes
    - Non-Conductive Gloves (if required)
    - Non-Conductive Stick
  - Ultra-capacitor Discharge Procedure
  - High Voltage Measurement
    - Single Hand Measurement
    - Use of Clip Leads
  - Gasoline System Safety
  - Hydraulic System Safety (Similar to conventional buses)
  - Rooftop Access Safety (Transit System will provide.)