SCRTTC

Southern California Regional Transit Training Consortium

COURSE NAME: Network Systems Electronics Diagnosis and Repair – E5

COURSE #SC-EL-1600-V

PREREQUISITES: Course prerequisites include proficiency in # SC-EL-1600-I, SC-EL-1600-II, SC-EL-1600-III and SC-EL-1600-IV.

COURSE DESCRIPTION: This course integrates the complex system operation of three of the major suppliers of communication systems with various communication operating protocols of transit vehicle's alternatively fueled computerized engine management system. This course features the most intense lab activities, due to the complexity of the J1587 / J1708 / J1939 reporting and sensing functions in the modern transit vehicle. This course is intended for the individual who has completed the previous four modules and has experience in the proper wiring harness repair techniques following symbols and manufactures schematics. Upon completion of this course, the student will have a complete understanding of the communication data backbone of alternatively fueled computerized engine management systems. This lab series is designed to help the technician simplify diagnostic processes and procedures in the work place. Technicians attending this course must have Allen Bradley / Dinex / Vansco protocol experience.

WHO SHOULD ATTEND

This course is intended for the supervisor, technician who needs an overview of alternatively fueled computerized engine management system's basic diagnosis.

Day One

- Serial data communication and operation of Computerized Engine Management systems
  - Networking systems overviews
  - Common failures
  - SAE J1939, current heavy duty data bus that uses CAN 2 architecture used in network communications.
  - High speed switching language
  - "FUZZY LOGIC" language
  - Ladder Logic language

Day Two

There are a series of hands on diagnostic labs accompanying this course. Technicians should attend prepared to work on a live chassis.

Course Times: 7:00am - 3:30pm each day. (SUBJECT TO CHANGE – CHECK REGISTRATION)

Number of Hours/Days: 16 Hours over 2-Days

Continuing Education Units (CEU): 0

Register **today** to reserve a spot - www.scrttc.com