



Truck Wiring Course Topics (In English)

- 1. Introduction of Organizations, Basic of Automobile, Automobile safety Hazards and Prevention
 - Introduction of Engine and its Components
- 2. Batteries, Function and Workings
 - Types of Battery
 - Introduction to Battery Construction
 - Introduction of Battery Operation
 - Battery Charging and Discharging Process
 - Battery Checking Process through Multi meter and Hydrometer
 - Battery Maintenance Tips
 - Battery Management Process
- 3. Starting System, Function and Workings
 - Starter Motor Operations
 - Starting System Wiring Diagram
- 4. Charging System, Function and Workings
 - Learn how the Charging System Functions.
 - Charging System Wiring Diagram
- 5. Basics of Electricity
 - Introduction to Ohm's Law
 - Use of Multi meter
 - Current
 - Voltage
 - Resistance
- 6. Electricity Fuses, Relay inspection
- 7. Basic Electrical Wiring Ignition, Head Lamp & Horn Wiring
- 8. Dashboard Indication
- 9. Engine Management System Diesel Engine, Various Sensors & Actuators in Engine
 - Overall Wiring Tracing
 - Sensors Checking
 - Actuators Checking





- 10. Sensors and Actuators Inspection
 - Get Techniques for Inspecting and Testing Sensors and Actuators
 - Use of G-Auto Probe & Sing-Sing Probe
- 11. Types of Scanner & Usage
 - VC 2.0 & Jaltest
- 12. Revision and Usage of VC 2.0 on Vehicle
 - Review the Process of Using the VC 2.0 Scanner on Vehicles.
- 13. Electrical wiring system Instrument Cluster
 - Understand the wiring system for the instrument cluster in vehicles.
- 14. Introduction to CAN communication
 - Learn about CAN (Controller Area Network) communication and its role in Vehicles.
- 15. BS6, Need of BS6, Difference between BS6 and BS4
- 16. Electrical Wiring ATS System
 - Learn about the ATS (After Treatment System) System and its Wiring.
- 17. ATS Diagnosing using Scanner
 - Get Techniques for Diagnosing the ATS System using a Scanner.
- 18. Urea dozing system and its working
 - Understand how the urea dosing system works.
- 19. Urea Dosing System on Vehicles
 - Learn about the Implementation of the Urea Dosing System in Vehicles.
- 20. Full Practical on Vehicle and Fault Diagnose
 - Gain hands-on Experience with Practical Exercises and Fault Diagnosis on Vehicles.
- 21. Wiring Harness And Reading Of Writing Diagrams
 - Learn How To Interpret Wiring Diagrams





Truck Wiring Course Topics (In Hindi)

- 1. संगठन का परिचय, Automobile की बुनियादी जानकारी Automobile सुरक्षा Hazards और Preventions.
 - Engine और इसके घटकों का परिचय
- 2. Batteries, कार्य और संचालन
 - Battery के प्रकार
 - Battery निर्माण का परिचय
 - Battery संचालन क्या है
 - Battery Charging और Discharging प्रक्रिया
 - Multimeter और Hydrometer के माध्यम से Battery की जांच प्रक्रिया
 - Battery के रखरखाव के सुझाव
 - Battery प्रबंधन प्रक्रिया
- 3. Starting System, कार्य और संचालन
 - Starter Motor का संचालन
 - Starting System का वायरिंग Diagram
- 4. Charging System, कार्य और संचालन
 - Charging System का संचालन
 - Charging System का वायरिंग Diagram
- 5. Electricity की बुनयादी बातें
 - Ohm's Law का परिचय
 - Multimeter का उपयोग
 - करंट (Current)
 - वोल्टेज (Voltage)
 - रेजिस्टेंस (Resistance)
- 6. Electricity-फ्यूज, रिले निरीक्षण (Electricity Fuses, Relay inspection)

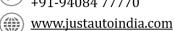


- 7. Basic Electrical Wiring- Ignition, Head Lamp & Horn Wiring
- 8. Dashboard Indication (डैशबोर्ड संकेत)
- 9. Engine प्रबंधन सिस्टम –Diesel, Engine मे विभिन्न Sensors और Actuators.
 - Overall Wiring Tracking
 - Sensors की जांच
 - Actuators की जांच
- 10. Sensors और Actuators का निरिक्षण
 - Sensors and Actuators निरिक्षण और प्रशिक्षण की तकनीक
 - G-Auto Probe and Sing-Sing Probe का उपयोग
- 11. Scanner के प्रकार और उनका उपयोग
 - VC 2.0 & Jaltest
- 12. VC 2.0 का वाहन पे पुनरावलोकन और उपयोग
 - VC 2.0Scanner का Vehicle पे उपयोग कर ने की प्रक्रिया का review
- 13. Electrical वायरिंग सिस्टम इंस्ट्रमेंट क्लस्टर (Instrument Cluster)
 - Instrument Cluster के Electrical Wiring System को समझना
- 14. CAN संचार का परिचय
 - CAN (Controlle<mark>r A</mark>rea Network) Communication का परिचय
- 15. BS6, BS6 की आवश्यक<mark>ता, BS6</mark> और BS4 के बीच अंतर
- 16. Electrical Wiring ATS System
 - ATS (After Treatment System) System और इसकी Wiring को समझना
- 17. ATS Diagnose by using scanner
 - ATS System की Diagnosing के तकनीक Scanner का उपयोग करना
- 18. यूरिया Dosing System (Urea Dosing System) और इसका कार्य
 - Urea Dosing System कैसे कार्य करता है
- 19. Vehicle पे यूरिया Dosing System (Urea Dosing System)
 - Vehicles में Urea Dosing System की Implementation
- 20. Full Vehicle Practical और Fault Diagnose
 - Vehicles पे Practical Exercises और Fault Diagnosis का hands-on अनुभव
- 21. Wiring Harness और Wiring Diagram का अध्ययन
 - Wiring diagrams पढ़ना और समझना



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