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GMT 5-Day EV Conversion Training Course and Cost Structure



Part One: EV Conversion Training Course

➢ Training Agenda (5 Days)：

Day 1|Factory Tour, Product Familiarization & Practical Basics

Morning 08:30–12:00｜Factory Tour and Safety Guidelines

1. Facility Tour: Visit the testing center, assembly line, and conversion workshop.
2. Safety Briefing: Operations safety, workshop discipline, tool and PPE standards.
3. Physical Observation: Observe system prototypes and typical installation structures.

Afternoon 13:30–18:00｜Product physical perception and practical operation

1. Product Familiarization: How to read product specifications and wiring diagrams.
2. Verification Practice: Verify physical against samples; identify key components.
3. Learning Outcome: Connect theory with real GMT products, clarify hands-on objects, and establish safety standards.

Day 2|Mechanical Systems & Hands-on Assembly

Morning 08:30–12:00｜The core logic of the mechanical part

1. Original Vehicle Mechanical System Overview: Engine, gearbox, transmission system, and component removal and retention for EV conversion.
2. Mechanical Integration: Motor-to-adapter-plate-to-gearbox connection, mounting bracket design and alignment check.
3. Auxiliary Systems: Installation points of EPS, brake vacuum pump, and electric A/C.

Afternoon 13:30–18:00｜Mechanical Assembly Practical Operation

1. Motor–Adapter–Gearbox Assembly: Hands-on connection and fitment.
2. Alignment & Mounting: Practice alignment checks and bracket mounting.

3. Inspection & Recording: Use a checklist to record assembly quality and common issues.
4. Learning Outcome: Independently complete basic mechanical assembly and inspection of a conversion kit.

Day 3|Electrical Architecture & Wiring/Commissioning Hands-on

Morning 08:30–12:00 | Electrical architecture and high-voltage safety

1. Understanding Core Powertrain & Architecture: Motor, Motor Controller, Battery Pack, BMS, OBC, DC-DC, VCU, HV/LV distribution; HV circuits and LV CAN logic.
2. High-Voltage Safety: Insulation test, HV interlock, power-on/off sequence.
3. Wiring Diagram Reading: Identify connectors, terminals, and low-voltage control circuits.

Afternoon 13:30–18:00 | Wiring connection and initial power-on

1. Harness Routing & Crimping: Hands-on harness layout and terminal crimping.
2. LV Control Circuit Build: Build a basic low-voltage control circuit.
3. Commissioning: Insulation test, HV interlock check, power-on sequence, basic controller parameter configuration.
4. Learning Outcome: Complete basic wiring and initial power-on of a conversion kit.

Day 4|In-depth Case Study & Practical Review (MK4 + Hilux)

Morning 08:30–12:00 | VW MK4 Full Process Case Analysis

1. Case Study 1: VW Golf MK4 EV conversion full process, guided by the MK4 Conversion Manual: removal, installation, commissioning.
2. Drawing & Manual Walkthrough: Key technical nodes and inspection points.

Afternoon 13:30–18:00 | Toyota Hilux Full Process Case Analysis

1. Case Study 2: Toyota Hilux pickup EV conversion: conversion logic and matching differences for commercial/heavy-duty vehicles.
2. On-site Review: Compare samples/cases; summarize pitfalls from real projects.
3. Q&A Review: Clarify technical nodes from Day2 – Day3 hands-on.
4. Learning Outcome: Understand every technical node from zero to one through drawings, manuals, and physical cases.

Day 5|Integrated Commissioning, Acceptance & Business Kick-off

Morning 08:30–12:00 | Integrated Commissioning, Diagnostics & Acceptance

1. Integrated Commissioning & Diagnostics: Troubleshooting for no-power-on and communication faults; CAN data reading and diagnostic software use.
2. Delivery Acceptance: Static checks, no-load tests, safe road test protocols.

Afternoon 13:30–18:00 | Business FAQ & Project Kick-off

1. Business FAQ: Costing/ROI basics, compliance, after-sales support.
2. Learning Outcome: Master basic assembly, initial power-on, acceptance/troubleshooting, and project kick-off capabilities.

Wrap up：

- 5-Day Professional Training & Factory Tour
- Complimentary Accommodation (Applicable to Dealers, Beginners, and Customers with orders ≥ $20k)
- Training Manual and Exclusive Case Studies (MK4 + Hilux)
- Practical Forms (Vehicle Assessment, Performance Calculation, etc.)

Part II Training Cost Structure

➢ Course Fee & Target Audience:

(Note: Fees and benefits vary by target group as follows:)

1. Dealer

(1) Eligibility: Signed dealer agreement and has closed a deal.

(2) Fee & Benefits: Free training & free accommodation assisted. Allowed ≤2 persons.

2. Beginner

(1) Fee: USD $3,000 / Person; USD $5,000 / 2 Persons; USD $6,000 / 3 Persons.

(2) Benefits: Free accommodation assisted.

3. Customer

(1) For Orders ≥ USD 20,000: Free training and accommodation assisted for 1 participant, including a 3-day training course.

(2) For Orders < USD 20,000: 20% discount on the training fee.

4. Overseas On-site Training Program

(1) Eligibility: Available only to customers with confirmed business transactions with GMT.

(2) Fee:
-Regular Customers: USD 400 / person / day.
-Dealers: USD 200 / person / day.

(3) Complimentary Personnel: Non-technical personnel, such as sales representatives are exempt from training service fees.

(4) Travel & Accommodation Expenses: Customers are responsible for all travel and accommodation expenses for all GMT personnel, including accommodation, meals, insurance, round-trip airfare, and visa fees.

➢ Contact Us to Book Your Spot! | www.cmvte.com