

ADAS			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-AD-ADS-001	UK-AD-ADS ADAS overview	ADAS Introduction	00:04:14
UK-AD-ADS-002	UK-AD-ADS ADAS overview	Systems and operation	00:03:51
UK-AD-ADS-003A	UK-AD-ADS ADAS overview	ADAS components - Radars	00:04:27
UK-AD-HTV-001	UK-AD-HTV How to videos	How to calibrate a type 1 visible radar	00:04:29
UK-AD-HTV-002	UK-AD-HTV How to videos	How to calibrate a type 3 hidden radar	00:05:03
UK-AD-HTV-003	UK-AD-HTV How to videos	How to calibrate a forward facing camera	00:05:29
UK-AD-OTR-001	UK-AD-OTR ADAS	On the road with ADAS (Tesla)	00:05:00
Hybrid and EV			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-HV-BWT-001	UK-HV-BWT BorgWarner Technologies	BorgWarner OE drive module P0 + P1	00:03:15
UK-HV-BWT-002	UK-HV-BWT BorgWarner Technologies	BorgWarner OE drive module P2	00:05:11
UK-HV-BWT-003	UK-HV-BWT BorgWarner Technologies	BorgWarner OE drive module P3	00:01:17
UK-HV-BWT-004	UK-HV-BWT BorgWarner Technologies	BorgWarner OE drive module P4	00:00:56
UK-HV-CHG-001	UK-HV-CHG Charging the vehicle	Charging overview	00:07:32
UK-HV-CHG-002	UK-HV-CHG Charging the vehicle	Charging connectors	00:12:31
UK-HV-CHG-003	UK-HV-CHG Charging the vehicle	Costs of charging	00:08:47
UK-HV-COM-001	UK-HV-COM Hybrid and EV Components	Where is the service plug	00:04:05
UK-HV-COM-002	UK-HV-COM Hybrid and EV Components	DC-DC converter	00:22:30
UK-HV-COM-003	UK-HV-COM Hybrid and EV Components	Inverter	00:27:30
UK-HV-COM-004	UK-HV-COM Hybrid and EV Components	HV cables	00:20:00
UK-HV-COM-005	UK-HV-COM Hybrid and EV Components	Resolver	00:25:00
UK-HV-COM-006	UK-HV-COM Hybrid and EV Components	Permanent magnet Synchronous motor	00:24:30
UK-HV-COM-007	UK-HV-COM Hybrid and EV Components	Interlock circuit	00:24:00
UK-HV-COM-008	UK-HV-COM Hybrid and EV Components	HV battery overview	00:48:00
UK-HV-DIS-001	UK-HV-DIS Isolation of the HV system, brand specific	VW GOLF GTE, isolating the HV system	00:04:37
UK-HV-DIS-002	UK-HV-DIS Isolation of the HV system, brand specific	Nissan LEAF 24kWH, isolating the HV system	00:11:45
UK-HV-HAZ-001	UK-HV-HAZ Safety and Hazards	Classes of voltage	00:04:00
UK-HV-HAZ-002	UK-HV-HAZ Safety and Hazards	Working with voltage	00:03:40
UK-HV-HAZ-003	UK-HV-HAZ Safety and Hazards	Hybrid and EV safety	00:07:35
UK-HV-HAZ-004	UK-HV-HAZ Safety and Hazards	PPE, CPE, and tooling	00:03:00
UK-HV-HAZ-005	UK-HV-HAZ Safety and Hazards	Hybrid and EV tooling list download	00:00:00
UK-HV-HTV-001	UK-HV-HTV How to videos	How to test a charging cable	00:01:24
UK-HV-HTV-002	UK-HV-HTV How to videos	How to test the HV insulation	00:03:18
UK-HV-SAF-001A	UK-HV-SAF Safely lifting a Hybrid and EV	Hybrid and EV introduction	00:00:33
UK-HV-SAF-001B	UK-HV-SAF Safely lifting a Hybrid and EV	Mild Hybrid identification	00:01:19
UK-HV-SAF-001C	UK-HV-SAF Safely lifting a Hybrid and EV	Hybrid identification	00:01:19
UK-HV-SAF-001D	UK-HV-SAF Safely lifting a Hybrid and EV	EV identification	00:01:16
UK-HV-SAF-002	UK-HV-SAF Safely lifting a Hybrid and EV	High voltage component locations	00:03:18
UK-HV-SAF-003A	UK-HV-SAF Safely lifting a Hybrid and EV	Lifting introduction	00:00:41
UK-HV-SAF-003B	UK-HV-SAF Safely lifting a Hybrid and EV	Hybrid vehicle using a jack	00:03:30
UK-HV-SAF-003C	UK-HV-SAF Safely lifting a Hybrid and EV	Hybrid vehicle using a 2 post lift	00:03:00
UK-HV-SAF-003D	UK-HV-SAF Safely lifting a Hybrid and EV	Hybrid vehicle using a 4 post lift	00:02:24
UK-HV-SAF-003E	UK-HV-SAF Safely lifting a Hybrid and EV	Electric vehicle using a jack	00:02:13
UK-HV-SAF-003F	UK-HV-SAF Safely lifting a Hybrid and EV	Electric vehicle using a 2 post lift	00:04:44
UK-HV-SAF-003G	UK-HV-SAF Safely lifting a Hybrid and EV	Electric vehicle using a 4 post lift	00:03:28
UK-HV-SAF-004	UK-HV-SAF Safely lifting a Hybrid and EV	Lifting a Hybrid / EV end test	00:10:00
UK-HV-TEC-001A	UK-HV-TEC Hybrid and EV technology	Mild Hybrid	00:09:43
UK-HV-TEC-001B	UK-HV-TEC Hybrid and EV technology	Mild Hybrid knowledge check	00:02:00
UK-HV-TEC-002A	UK-HV-TEC Hybrid and EV technology	Full Hybrid	00:03:59
UK-HV-TEC-002A	UK-HV-TEC Hybrid and EV technology	Full Hybrid knowledge check	00:02:00
UK-HV-TEC-003A	UK-HV-TEC Hybrid and EV technology	Plug in Hybrid	00:03:37
UK-HV-TEC-003B	UK-HV-TEC Hybrid and EV technology	Plug in Hybrid knowledge check	00:01:30
UK-HV-TEC-004	UK-HV-TEC Hybrid and EV technology	Electric vehicle	00:03:27
UK-HV-TEC-005	UK-HV-TEC Hybrid and EV technology	Electric vehicle with range extender	00:03:18
UK-HV-TEC-006	UK-HV-TEC Hybrid and EV technology	Hydrogen fuel cell	00:05:50
Vehicle Electrics			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-VE-BAT-001	UK-VE-BAT 12v Batteries and Testing	Lead-acid battery overview	00:51:00
UK-VE-BAT-002	UK-VE-BAT 12v Batteries and Testing	Testing a 12v battery	00:30:00
UK-VE-CAN-001	UK-VE-CAN Networking	Network configuration	00:39:00
UK-VE-CAN-002	UK-VE-CAN Networking	Parallel communication	00:22:00
UK-VE-CAN-003	UK-VE-CAN Networking	Serial communication	00:22:00
UK-VE-CAN-004	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: introduction	00:20:00
UK-VE-CAN-005	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: protocol	00:20:00

UK-VE-CAN-006	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: electrical ope	00:42:00
UK-VE-CAN-007	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: transmission I	00:23:30
UK-VE-CAN-008	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: topology	00:14:30
UK-VE-CAN-009	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: error detectio	00:06:00
UK-VE-CAN-010	UK-VE-CAN Networking	Controller Area Network (CAN)-bus: diagnosis	00:13:30
UK-VE-ELC-001	UK-VE-ELC Electronics	Signals	00:35:00
UK-VE-ELC-002	UK-VE-ELC Electronics	NTC resistor	00:26:00
UK-VE-ELC-003	UK-VE-ELC Electronics	PTC resistor	00:25:00
UK-VE-ELC-004	UK-VE-ELC Electronics	Hall effect sensor	00:26:00
UK-VE-ELC-005	UK-VE-ELC Electronics	Potentiometer	00:48:00
UK-VE-ELC-006	UK-VE-ELC Electronics	PMW	00:04:00
UK-VE-ELC-007	UK-VE-ELC Electronics	LED's	00:22:00
UK-VE-ELC-008	UK-VE-ELC Electronics	Amplitude modulation	00:06:00
UK-VE-ELC-009	UK-VE-ELC Electronics	Frequency modulation	00:08:00
UK-VE-ELC-010	UK-VE-ELC Electronics	Duty cycle	00:44:00
UK-VE-HTV-001	UK-VE-HTV How to videos	How to test a coolant temperature sensor	00:01:56
UK-VE-HTV-002	UK-VE-HTV How to videos	How to setup the Oscilloscope hardware	00:03:40
UK-VE-HTV-003	UK-VE-HTV How to videos	How to setup the Oscilloscope software	00:06:45
UK-VE-INT-001	UK-VE-INT Introduction to electrics	Introduction to electrics	00:07:22
UK-VE-INT-002	UK-VE-INT Introduction to electrics	Multimeter introduction	00:08:10
UK-VE-INT-003	UK-VE-INT Introduction to electrics	Resistors and Diodes	00:15:00
UK-VE-INT-004	UK-VE-INT Introduction to electrics	Ohms and Watts laws	00:09:17
UK-VE-INT-005A	UK-VE-INT Introduction to electrics	Recap and series circuits	00:20:30
UK-VE-INT-005B	UK-VE-INT Introduction to electrics	Parallel circuits	00:11:55
UK-VE-INT-006	UK-VE-INT Introduction to electrics	Electro Magnetism + Relays	00:03:34
UK-VE-SAC-001	UK-VE-SAC Starting and charging	Alternator overview	00:34:00
UK-VE-SAC-002	UK-VE-SAC Starting and charging	Alternator: Rotor	00:19:00
UK-VE-SAC-002	UK-VE-SAC Starting and charging	Alternator: Stator	00:21:00
UK-VE-SAC-003	UK-VE-SAC Starting and charging	Starter motor overview	00:16:00
UK-VE-SAC-004	UK-VE-SAC Starting and charging	Charging system diagnostics	00:59:00
UK-VE-SAC-005	UK-VE-SAC Starting and charging	Starting system diagnostics	00:46:00
UK-VE-PRA-001	UK-VE-PRA Practical Tasks	Demo Simulator - No fault	Various
UK-VE-PRA-002	UK-VE-PRA Practical Tasks	Simulator - diagnose non start (faulty battery)	Various
UK-VE-PRA-003	UK-VE-PRA Practical Tasks	Simulator - diagnose engine warning light	Various
UK-VE-PRA-004	UK-VE-PRA Practical Tasks	Simulator - diagnose engine overheating	Various
UK-VE-PRA-005	UK-VE-PRA Practical Tasks	Simulator - diagnose engine will not run	Various
<b>Chassis systems</b>			
<b>Course code</b>	<b>Course</b>	<b>Module name</b>	<b>Time (HR:MIN:SEC)</b>
UK-CH-BRA-001A	UK-CH-BRA Braking systems	Brake system introduction	00:03:50
UK-CH-BRA-001B	UK-CH-BRA Braking systems	Hybrid and EV brakes	00:05:00
UK-CH-BRA-002	UK-CH-BRA Braking systems	Brake fluid	04:00:00
UK-CH-BRA-003A	UK-CH-BRA Braking systems	Brake pad construction and fitting	00:03:49
UK-CH-BRA-003B	UK-CH-BRA Braking systems	Brake pad bedding in	00:06:45
UK-CH-BRA-004	UK-CH-BRA Braking systems	Brake disc dsigns	00:05:23
UK-CH-BRA-006	UK-CH-BRA Braking systems	Drum brake + brake shoes	00:10:24
UK-CH-BRA-007	UK-CH-BRA Braking systems	Brake bleeding	00:02:46
UK-CH-HTV-001	UK-CH-HTV How to videos	How to carry out a brake disc runout check	00:01:53
UK-CH-HTV-002	UK-CH-HTV How to videos	How to measure brake disc and pad thickness	00:01:38
UK-CH-HTV-003	UK-CH-HTV How to videos	How to test an ABS magneto resistive sensor	00:01:53
UK-CH-HTV-004	UK-CH-HTV How to videos	How to replace a track rod end	00:05:51
UK-CH-HTV-005	UK-CH-HTV How to videos	How to adjust rear brake shoes	00:02:03
UK-CH-HTV-006	UK-CH-HTV How to videos	How to replace a lower ball joint	00:13:14
UK-CH-HTV-007	UK-CH-HTV How to videos	How to replace a top strut mount	00:06:52
UK-CH-SAS-001	UK-CH-SAS Steering and suspension	Understanding trakcing	00:13:00
UK-CH-SAS-002	UK-CH-SAS Steering and suspension	Camber	00:11:00
UK-CH-SAS-003	UK-CH-SAS Steering and suspension	Caster	02:00:00
UK-CH-SAS-004	UK-CH-SAS Steering and suspension	King pin inclination	00:17:00
UK-CH-SAS-005A	UK-CH-SAS Steering and suspension	Springs	00:17:00
UK-CH-SAS-005B	UK-CH-SAS Steering and suspension	Dampers	00:23:00
UK-CH-SAS-006A	UK-CH-SAS Steering and suspension	Semi-independent suspension	00:06:00
UK-CH-SAS-006B	UK-CH-SAS Steering and suspension	Independent suspension	00:08:00
UK-CH-SAS-007A	UK-CH-SAS Steering and suspension	Hydraulic power steering	00:33:00
UK-CH-SAS-007B	UK-CH-SAS Steering and suspension	Electric power steering	00:30:00
UK-CH-WAT-002	UK-CH-WAT Wheels and Tyres	Tyre wear	00:18:00
UK-CH-WAT-003	UK-CH-WAT Wheels and Tyres	Measuring the tread depth	00:19:00
UK-CH-WAT-004	UK-CH-WAT Wheels and Tyres	Flat tyre and emergency assistance	00:32:00
UK-CH-WAT-005B	UK-CH-WAT Wheels and Tyres	Wheel balancing	00:28:00
UK-CH-WAT-006A	UK-CH-WAT Wheels and Tyres	TPMS overview	00:31:00

UK-CH-WAT-006B	UK-CH-WAT Wheels and Tyres	TPMS sensor replacement	00:45:00
<b>Petrol systems</b>			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-PE-ACT-001	UK-PE-ACT Actuators	Eletronic throttle valve	01:31:00
UK-PE-ACT-002	UK-PE-ACT Actuators	Fuel lift pump	00:42:00
UK-PE-ACT-003	UK-PE-ACT Actuators	Idle control Valve	00:26:00
UK-PE-ACT-004	UK-PE-ACT Actuators	Ignition coils	00:44:00
UK-PE-ACT-005	UK-PE-ACT Actuators	Stepper motor	00:26:00
UK-PE-GDI-001	UK-PE-GDI Gasoline Direct Injection	GDI Features	00:34:00
UK-PE-GDI-002	UK-PE-GDI Gasoline Direct Injection	GDI operating conditions	00:53:00
UK-PE-GDI-003	UK-PE-GDI Gasoline Direct Injection	GDI Injector	00:19:00
UK-PE-GDI-004	UK-PE-GDI Gasoline Direct Injection	GDI high pressure pump	00:18:00
UK-PE-GDI-005A	UK-PE-GDI Gasoline Direct Injection	Homogenous combustion	00:49:00
UK-PE-GDI-005B	UK-PE-GDI Gasoline Direct Injection	Stratified combustion	01:03:00
UK-PE-GDI-005C	UK-PE-GDI Gasoline Direct Injection	Homogenous Stratified combustion	00:15:00
UK-PE-GDI-005D	UK-PE-GDI Gasoline Direct Injection	Homogenous lean combustion	00:21:00
UK-PE-HTV-001	UK-PE-HTV How to videos	How to test an in tank pump	00:02:16
UK-PE-HTV-002	UK-PE-HTV How to videos	How to test a 3 phase in tank pump	00:16:39
UK-PE-HTV-003	UK-PE-HTV How to videos	How to test air intake circuit using a smoke meter	00:02:20
UK-PE-HTV-004	UK-PE-HTV How to videos	How to test a MPI injector	00:04:09
UK-PE-HTV-005	UK-PE-HTV How to videos	How to work safely on GDI systems	00:06:37
UK-PE-MPI-001	UK-PE-MPI Multi Point Injection	MPI overview	00:12:00
UK-PE-MPI-002	UK-PE-MPI Multi Point Injection	MPI fuel circuit	00:11:00
UK-PE-MPI-003	UK-PE-MPI Multi Point Injection	MPI injector	00:38:00
UK-PE-MPI-004	UK-PE-MPI Multi Point Injection	Ignition timing introduction	00:07:00
UK-PE-PRA-001	UK-PE-PRA Practical tasks	Demo Simulator - No fault	Various
UK-PE-PRA-002	UK-PE-PRA Practical tasks	Simulator - Ignition system fault	Various
UK-PE-PRA-003	UK-PE-PRA Practical tasks	Simulator - Engine misfire	Various
UK-PE-PRA-004	UK-PE-PRA Practical tasks	Simulator - Excessive fuel consumption	Various
UK-PE-PRA-005	UK-PE-PRA Practical tasks	Simulator - Measuring airflow with scope	Various
UK-PE-SEN-001	UK-PE-SEN Sensors	Camshaft Sensor	00:31:00
UK-PE-SEN-002	UK-PE-SEN Sensors	Crankshaft sensor	00:43:00
UK-PE-SEN-003	UK-PE-SEN Sensors	Coolant sensor	00:17:00
UK-PE-SEN-004	UK-PE-SEN Sensors	Accelerator position sensor	00:27:00
UK-PE-SEN-005	UK-PE-SEN Sensors	Throttle Position sensor	00:28:00
UK-PE-SEN-006	UK-PE-SEN Sensors	Intake air temperature sensor	00:42:00
UK-PE-SEN-007	UK-PE-SEN Sensors	MAP Sensor	00:38:00
UK-PE-SEN-008	UK-PE-SEN Sensors	MAF sensors	00:41:00
UK-PE-SEN-009	UK-PE-SEN Sensors	Knock Sensor	00:28:00
UK-PE-SEN-010	UK-PE-SEN Sensors	Heater Oxygen sensor	00:49:00
<b>Diesel systems</b>			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-DI-CAS-001A	UK-DI-CAS case studies	Diesel fault code case study - limp mode part 1	00:14:51
UK-DI-CAS-001B	UK-DI-CAS case studies	Diesel fault code case study - limp mode part 2	00:08:47
UK-DI-COM-001	UK-DI-COM Components	In tank pumps	00:05:00
UK-DI-COM-002	UK-DI-COM Components	High pressure CR pump	00:04:10
UK-DI-COM-003	UK-DI-COM Components	Common Rail and HPV	00:10:46
UK-DI-COM-004	UK-DI-COM Components	CR Injector	00:05:20
UK-DI-COM-005	UK-DI-COM Components	Mechanical Injector operation	00:01:21
UK-DI-CRD-001	UK-DI-CRD Common rail diesel	Common rail diesel overview	00:03:30
UK-DI-CRD-002	UK-DI-CRD Common rail diesel	Operating conditions	00:01:50
UK-DI-CRD-003	UK-DI-CRD Common rail diesel	Rail pressure sensor	00:04:49
UK-DI-CRD-004	UK-DI-CRD Common rail diesel	Unit injector diesel overview	00:09:50
UK-DI-HTV-001	UK-DI-HTV How to videos	How to test an in tank pump	00:02:16
UK-DI-HTV-002	UK-DI-HTV How to videos	How to test air intake circuit using a smoke meter	00:02:20
UK-DI-HTV-003	UK-DI-HTV How to videos	How to carry out an Injector backleak test	00:04:34
UK-DI-HTV-004	UK-DI-HTV How to videos	How to test the CRP	00:05:12
UK-DI-HTV-005	UK-DI-HTV How to videos	How to carry out a fuel contamination test	00:03:39
UK-DI-HTV-006	UK-DI-HTV How to videos	How to test an injector using a YDT35B	00:04:05
<b>Exhaust and After treatment</b>			
Course code	Course	Module name	Time (HR:MIN:SEC)
UK-EX-AFT-001	UK-EX-AFT After treatment	Narrowband oxygen sensors	00:37:00
UK-EX-AFT-002	UK-EX-AFT After treatment	Wideband oxygen sensors	00:53:00
UK-EX-AFT-003	UK-EX-AFT After treatment	Nox Sensor	00:33:00
UK-EX-AFT-004A	UK-EX-AFT After treatment	EGR valve (single)	00:38:00
UK-EX-AFT-004B	UK-EX-AFT After treatment	EGR valve (twin)	00:06:23

UK-EX-AFT-005	UK-EX-AFT After treatment	NOx cat (LNT)	00:37:00
UK-EX-AFT-006	UK-EX-AFT After treatment	Exhaust gas temperature sensor	00:22:00
UK-EX-AFT-007	UK-EX-AFT After treatment	Diesel particulate filters introduction	00:07:25
UK-EX-AFT-008	UK-EX-AFT After treatment	Selective catalytic convertors (SCR / Adblue)	00:06:22
UK-EX-CAS-001	UK-EX-CAS Case studies	Case study - catalytic convertor fault code	00:21:41
UK-EX-EXH-001A	UK-EX-EXH Exhaust systems	Catalytic convertors	00:49:00
UK-EX-EXH-001B	UK-EX-EXH Exhaust systems	Lambda	00:37:00
UK-EX-EXH-002A	UK-EX-EXH Exhaust systems	Exhaust gases	00:12:00
UK-EX-EXH-002B	UK-EX-EXH Exhaust systems	European emission standards	00:19:00
UK-EX-HTV-001	UK-EX-HTV How to videos	How to test a turbo position sensor	00:04:49
UK-EX-HTV-002	UK-EX-HTV How to videos	How to carry out a DPF regeneration	00:03:27
UK-EX-HTV-003	UK-EX-HTV How to videos	How to test a catalytic convertor with a thermal	00:02:29
UK-EX-TUR-001	UK-EX-TUR Turbo Chargers	Forced induction introduction	00:34:00
UK-EX-TUR-002	UK-EX-TUR Turbo Chargers	Turbo charger designs	05:00:00
UK-EX-TUR-003	UK-EX-TUR Turbo Chargers	Boost pressure control	00:11:00
UK-EX-TUR-004	UK-EX-TUR Turbo Chargers	Turbo failure modes	00:03:02
<b>Other systems</b>			
<b>Course code</b>	<b>Course</b>	<b>Module name</b>	<b>Time (HR:MIN:SEC)</b>
UK-OT-ACS-001	UK-OT-ACS Air conditioning	Air conditioning principle of operation	00:32:30
UK-OT-ACS-002	UK-OT-ACS Air conditioning	Air conditioning systems	00:33:00
UK-OT-ACS-003	UK-OT-ACS Air conditioning	Accumulator	00:43:00
UK-OT-ACS-004	UK-OT-ACS Air conditioning	Compressor	00:43:00
UK-OT-ACS-005	UK-OT-ACS Air conditioning	Evaporator	00:31:00
UK-OT-ACS-006A	UK-OT-ACS Air conditioning	Fixed valve	00:24:30
UK-OT-ACS-006B	UK-OT-ACS Air conditioning	Variable valve	00:34:30
UK-OT-ACS-007	UK-OT-ACS Air conditioning	Refrigerant properties	00:45:00
UK-OT-ACS-008	UK-OT-ACS Air conditioning	Pipes, hoses and couplings	00:38:00
UK-OT-ACS-009	UK-OT-ACS Air conditioning	Refrigerant recovery and filling	00:59:00
UK-OT-ACS-010A	UK-OT-ACS Air conditioning	Sniffer leak detection	00:13:00
UK-OT-ACS-010B	UK-OT-ACS Air conditioning	Nitrogen leak detection	00:12:00
UK-OT-ACS-010C	UK-OT-ACS Air conditioning	UV leak detection	00:22:00
UK-OT-ENG-001	UK-OT-ENG Engine operation	4-stroke piston engine	00:16:00
UK-OT-ENG-002	UK-OT-ENG Engine operation	Engine mechanical components	00:21:00
UK-OT-ENG-003	UK-OT-ENG Engine operation	Timing system	00:16:00
UK-OT-ENG-004	UK-OT-ENG Engine operation	Camshaft	00:27:00
UK-OT-ENG-005	UK-OT-ENG Engine operation	Cylinder head	00:39:00
UK-OT-ENG-006	UK-OT-ENG Engine operation	Engine block	00:23:00
UK-OT-ENG-007	UK-OT-ENG Engine operation	Valve operation	00:54:00
UK-OT-ENG-008	UK-OT-ENG Engine operation	Pistons	00:49:00
UK-OT-ENG-009	UK-OT-ENG Engine operation	Manifolds	00:30:00
UK-OT-ENG-010	UK-OT-ENG Engine operation	Crank-connecting rod mechanism	00:30:00
UK-OT-LUB-001	UK-OT-LUB Lubrication	Engine oil EU	00:24:00
UK-OT-LUB-002	UK-OT-LUB Lubrication	Lubrication oil types & properties	00:52:00
UK-OT-LUB-003	UK-OT-LUB Lubrication	Lubrication system	00:22:00
UK-OT-LUB-004	UK-OT-LUB Lubrication	Oil level, pressure and quality sensor	00:57:00
UK-OT-LUB-005	UK-OT-LUB Lubrication	Sump ventilation	00:46:00
UK-OT-TMS-001	UK-OT-TMS Thermal management	Cooling	00:27:00
UK-OT-TMS-002	UK-OT-TMS Thermal management	Mechanical coolant pump	00:13:00
UK-OT-TMS-003	UK-OT-TMS Thermal management	Radiator	00:15:00
UK-OT-TMS-004	UK-OT-TMS Thermal management	Pressure cap	00:24:00
UK-OT-TMS-005	UK-OT-TMS Thermal management	Thermostat - Wax	00:58:00
UK-OT-TMS-006	UK-OT-TMS Thermal management	Expansion tank	00:23:00
UK-OT-TMS-007	UK-OT-TMS Thermal management	Fan	00:28:00
UK-OT-TOL-001	UK-OT-TOL Tooling and equipment	Micrometer	00:35:00
UK-OT-TOL-002	UK-OT-TOL Tooling and equipment	Vernier caliper	00:31:00
UK-OT-TOL-003	UK-OT-TOL Tooling and equipment	Hydrometer - testing batteries	00:38:00
UK-OT-TOL-003	UK-OT-TOL Tooling and equipment	Hydrometer - testing anti-freeze	00:14:00
UK-OT-TOL-004	UK-OT-TOL Tooling and equipment	Headlight adjustment device	00:22:00
UK-OT-TRA-001	UK-OT-TRA Clutch and transmission	Manual transmission and clutch	00:52:00
UK-OT-TRA-001	UK-OT-TRA Clutch and transmission	Clutch	00:48:00
UK-OT-TRA-002	UK-OT-TRA Clutch and transmission	Automatic gearbox	00:57:00
<b>Training Needs Analysis</b>			
<b>Course code</b>	<b>Course</b>	<b>Module name</b>	<b>Time (HR:MIN:SEC)</b>
UK-TN-BRA-001	UK-TN-BRA Braking systems	Braking systems TNA	00:30:00
UK-TN-DIE-001	UK-TN-DIE Diesel	Diesel systems TNA	00:30:00
UK-TN-ELC-001	UK-TN-ELC Electrics	Vehicle Electrics TNA beginner	00:30:00
UK-TN-ELC-002	UK-TN-ELC Electrics	Vehicle Electrics TNA Intermediate (Difficulty 3/5)	00:30:00

UK-TN-ELC-003(a)	UK-TN-ELC Electrics	Vehicle Electrics TNA Advanced (Difficulty 4/5)	00:30:00
UK-TN-ELC-003(a)	UK-TN-ELC Electrics	Vehicle Electrics TNA Advanced (Difficulty 5/5)	00:30:00
UK-TN-EXH-001	UK-TN-EXH Turbo and Aftertreatment	Turbo TNA	00:30:00
UK-TN-EXH-002	UK-TN-EXH Turbo and Aftertreatment	Exhaust After Treatment TNA	00:30:00
UK-TN-EXH-003	UK-TN-EXH Exhaust systems	Emissions TNA	00:30:00
UK-TN-PET-001	UK-TN-PET Petrol	Ignition systems TNA	00:30:00
UK-TN-PET-002	UK-TN-PET Petrol	Engine management TNA	00:30:00
UK-TN-PET-003	UK-TN-PET Petrol	GDI systems TNA	00:30:00
UK-TN-SAS-001	UK-TN-SAS Steering and Suspension	Steering Systems TNA	00:30:00
UK-TN-SAS-002	UK-TN-SAS Steering and Suspension	Suspension Systems TNA	00:30:00
<b>DS disgnostics</b>			
<b>Course code</b>	<b>Course</b>	<b>Module name</b>	<b>Time (HR:MIN:SEC)</b>
UK-DS-OEM-001	UK-DS-OEM OE manufacturers	OEM portal links	00:20:00