

SMART CHOICE

www.smartchoice.uk.com



July to
September 2009



Bury St Edmunds	01284 766166
Cambridge	01223 416644
Hatfield	01707 257771
Hitchin	01462 442289
Huntingdon	01480 459512
Ipswich	01473 713551
Kings Langley	01923 262252
Leighton Buzzard	01525 378084
Letchworth	01462 480276
Shrewsbury	01743 467226
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Stevenage	01438 312669
Telford	01952 415700
Tottenham	020 8365 0033
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If you would like to be kept up to date with promotional offers via e-mail, please send your e-mail address to sales@bennetts.com

Featured in this issue

Terms and conditions may apply, check page featured for details



Keep Cool This Summer

Coolmobile® - The Ultimate Air Con System - instant cooling where & whenever you need it



page 3

Laser Tools Timing Tools

Unmissable value timing tools. This popular Renault kit only £180 - unbeatable value!



Great availability!

page 10/11



Lift Your Profits

New range of lifts available from the IFA. This entry level 3.2T 2 post lift only £1799!

LIFTMASTER page 13

NEW Air Con Range

Certified to J2788, the top spec N9 range exceeds all industry standards



page 15

NEWS
page 2

DIAGNOSTICS
pages 6, 9, 12, 20

CLEANERS & COOLERS
page 3, 4

GARAGE EQUIPMENT
pages 8, 11, 13-19

TOOLS
pages 5, 7, 10, 11

From 4th July, No 'F' Gas Certificate, No Refrigerant

Since 4th July 2008 technicians carrying out air conditioning work on a motor vehicle have been required to have completed 'F' Gas compliant training, under the 'F' Gas Regulations 842/3006.

From 4th July 2009 garages will be unable to purchase refrigerant unless at least one employee holds an 'F' Gas compliant certificate.

Mainland UK Tecalemit customers purchasing air conditioning servicing units receive on-site 'F' Gas compliant training as part of the package and are issued an interim certificate which enables refrigerant to be purchased up to 4th July 2010. After this date clients will have had to complete a formal qualification.



For more information on Tecalemit A/C training courses contact your local IFA Member.

New ATL Packages Tailored to Your Needs by Tecalemit



Tecalemit have introduced two new levels of Test Lane Package to satisfy a wide range of independent garages' needs.

Their Premium package is now joined by Regular and Premium Plus packages, all of which are highly flexible to ensure the garage gets what they need at a price they can afford.

See page 16 for more details and call your local IFA Member to discuss your requirements.



Must-Have COP/KV Testers at Bargain Price in July

Two essential new tools from Hickleys are on special offer in July only, making it the perfect time to buy. The ignition quick testers save technicians time and make testing simple and enjoyable.



JULY only
buy both for
£125

Buy both & get a
FREE
Injection System Tester
worth **£18.95**

Unlike lengthy conventional methods the COP (Coil on Plug) tester simply and quickly diagnoses if a spark is present on each cylinder, and whether it has the correct duration.

The KV tester negates the need to connect a vehicle to an engine analyser or an ignition oscilloscope, as in seconds it quickly and reliably indicates which cylinder is misfiring. A quick way to diagnose if a vehicle has failed due to lack of spark or fuel.

The tools retail at £75 each, but during July only you can buy them at the reduced price of £69 each or the exceptional offer price of £125 for the pair.



Don't miss this great opportunity - place your order with your local IFA Member today.

Exchange Rate Fluctuations

Due to the on-going relative weakness of the pound, prices advertised in this issue of Smart Choice (correct at the time of going to press) may change before the next issue without notice.

Please check current pricing with your local IFA Member before ordering.



Great Value Lifts to Suit All Applications & Budgets

A new range of 2 post lifts is available from your local IFA Member.

The Liftmaster range offers 3 tonne and 3.2 tonne capacities with hydraulic and electromechanical models.

You may be surprised at the floor requirements for the lifts with a base frame, as they may be less than you think! Baseless lifts are also offered.

The entry level specification (shown) offers superb value at only £1799 for a 3.2 tonne hydraulic low profile base lift.

Check out Liftmaster on page 13 and give your local IFA Member a call to discuss your requirements.



LIFTMASTER

Great Value Wheel Aligner 'Wows' in Demonstrations

The recently launched Trackalign GTR 400 is causing a stir in demonstrations. This simple to use 4 wheel laser aligner from Tecalemit ticks all the boxes!

The system gives operators a complete set of highly accurate vehicle geometry data, but its features don't stop there. The smart wall mounted storage has an in-built charger.

Everything has been thought about in this clever package, and it is great value. See page 17 for more details.



Ask your local IFA Member to arrange a demonstration for you and see just how good the Trackalign GTR 400 really is for yourself.

Workplace Fans

18" (46cm) Black Air Circulator (PHVBF4500)

Key features include:

- 3 High velocity fan speed settings
- Adjustable tilt head
- High speed motor for maximum air displacement
- Air flow: 5400m³/hr
- Dimensions: 55x54x25cm
- Weight: 7kg
- Power consumption: 150W
- Voltage: 230v~50Hz



30" (76cm) Drum Fan (30DV)

Powerful, finished in silver, massive 1100rpm motor for high velocity air displacement. Dual voltage (110v/230v) so ideal for 110v supply worksites.

Key features include:

- 360° Tilt adjustment
- Highly manoeuvrable
- 2m Power cord
- Air flow: 8200m³/hr
- Dimensions: 92x88x30cm
- Weight: 24kg



20" (50cm) Heavy Duty Fan (MB50 240v)

Seriously powerful, our best selling heavy duty fan. Attractive with an impact resistant body it will last for years. Ideal as a man cooler for large areas with multi-occupancy or ventilation needs.

Key features include:

- High quality tough ABS body
- Epoxy coated tubular steel stand
- Variable speed control
- 360° Tilt adjustment with locking nuts
- High performance 1350rpm motor
- 2.5m Power cord c/w moulded plug
- **Also available in 110v**
- Dimensions: 83x80x28cm
- Weight: 17kg
- Air flow: 11000m³/hr
- Power consumption: 550-600W
- Voltage: 230v~50Hz or 110v~50Hz



Coolmobile® - The Ultimate Mobile Air Con System

Practical, flexible and easy in application. Simply plug into the nearest wall socket and cool down any location you wish. Coolmobile® is the most mobile air conditioning system on the market.

This major cooling force on wheels is ideal for a wide range of applications from cramped rooms to large halls, along production lines and directed at specific work spaces, next to sources of heat and directly aimed at sensitive equipment.

		Coolmobile® 21	Coolmobile® 25
Cooling capacity	BTU/hr	21,000	25,000
	kW	6.15	7.32
Starting current	A	45	57
Running current	A	11	13
Power consumption	kW	2.41	2.6
Dimensions (H x W x D)	cm	130 x 49 x 60	
Weight	kg	86	90
Outlets (125mm)	-	2	3
Max duct length	m	9	12

Coolmobile® - Instant cooling where & whenever you want it

Coolmobile® 21 & 25 Air Conditioning

Commercial industrial coolers, suitable for workshops, computer rooms, factories & waiting areas. Key features include:

- Digital climate control system
- Directional cooling
- Easy to move
- Automatic ventilator with air filtration
- **Optional hot air discharge hose**
- Sophisticated water collection tank



Mobile Ducted Air Conditioners

Simply place the exhaust hose out of a window to vent the hot air & turn on for cool air



AC12410

PKY12

*Area cooled assumes 2.44m (8') room height. Varies dependent on solar gain & other heat sources

		AC12410	PKY12
Cooling capacity	BTU/hr (kW)	10,000 (2.93)	12,000 (3.50)
Heating capacity	BTU/hr (kW)	10,000 (2.93)	n/a
Area cooled*	m ² (ft ²)	25 (250)	30 (300)
Fan speed settings	-	2	3
Remote control	-	Yes	Yes
Timer	hrs	12	24
Self evaporating model	-	Yes	Yes
Max dehumidifying capacity	litres/day	36	36
Manually adjustable louvres	-	Yes	Yes
Internal oscillating louvres	-	n/a	Yes
Exhaust hose length	m	1.5	1.8
Noise level	db (A)	54	50
Net weight	kg	32	31
Dimensions (H x W x D)	cm	75 x 40 x 38	76 x 40 x 37

Contact your local IFA Member for special deals this Summer

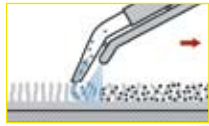
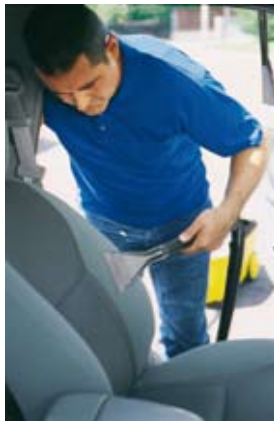
Keep Cool This Summer with Cooling Products from



Upholstery Cleaner (1.100-209)

- Powerful & compact professional valet machine
- Deep cleans vehicle upholstery using spray extraction technology
- Adds value to a vehicle or customer service
- Fast drying times & amazing results
- Model: PUZZI8/1C
- Motor: 1380 Watts (240v)
- Air Flow: 61 litres/second
- Capacity: 8+7 litres

Only £269.00



All professional machines are supplied with Kärcher's one year on-site warranty, supported by Kärcher's field based service engineers. As with a vehicle, the manufacturer's warranty does not cover wear & tear or abuse. To reduce wear & tear, Kärcher strongly recommend regular maintenance. Please note that hot water steam cleaners must be well maintained in order to protect your warranty. Service contracts are available (poa), please call 08700 116 867 for details.

Cleaning with KÄRCHER enhances your business image and adds value to your service offering

For the full range of Kärcher commercial cleaning machines, plus selected domestic machines contact your local IFA Member



601 Hot Water Steam Cleaner (1.170-604)

- Market leading hot water pressure washer
- Steam function for heavy grease & grime
- Servo control for adjusting power with lance
- High pressure detergent delivery
- Model: HDS601CEco
- Motor: 3200 Watts (240v)
- Water Flow: 290-550 litres/hour
- Pressure: 120 bar
- Max Temp: 155°C



Only £1399.00
5 yr weekly lease £7.99

All Purpose Vacuum Cleaner (9.621-133)

- Robust & powerful commercial quality vacuum
- Supplied with **FREE** crevice & upholstery tools
- Suitable for wet or dry pick up
- Ideal for workshop spills & vehicle valet
- Model: NT27/1
- Motor: 1380 Watts (240v)
- Capacity: 27 litres

Only £125.00

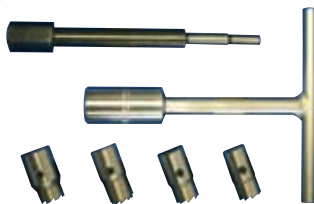


Whether for cleaning premises or fleet, a post service valet or preparing vehicles for sale, these great deals help your business stand out



Diesel Injector Seat Cutter Set (01750000)

- Set of 4 c/w centering pilot & T-Handle
- Clean & re-cut injector seats when changing or reconditioning diesel injectors
- Avoids blow-back due to poorly seated injectors
- 15mm flat cutter for Universal applications plus: 19mm flat cutter for Mercedes-Benz CRD, 17mm flat cutter for BMW/PSA/Renault, 19mm angled cutter for Fiat/Iveco



SAVE
£36.00

Only £99.00
List Price £135.00

Diesel Injector Puller (085700V2)

- Use with Lucas & Bosch type clamp-down injectors
- Slide hammer mechanism c/w M8, M12, & M14 adaptors
- **NEW** M17 adaptor for Vauxhall/Opel injectors
- X20DTH/Y20DTH Engines



SAVE
£16.00

Only £49.00
List Price £65.00

Injector Remover – Heavy Duty Slide Hammer Kit (08580000)

- Removes Bosch & Delphi injectors
- Special Hex adaptors allow use of impact wrench to loosen injectors
- Contents: Heavy duty slide hammer, Bosch injector dismantling tool, screw-in adaptors for Bosch & Delphi injectors, slide hammer adaptor



SAVE
£62.50

Only £185.00
List Price £247.50

Diesel Service & Test Tools

Diesel Injector Seal Extractor (08581000)

- Unique SP 'split collet' technology removes copper injector base seal stuck in the head
- Simply grips seal & pulls it out
- Adjusts simply, removes seals 6.4mm-8mm - no more fiddling to retrieve stuck washers
- Use with Seat Cutter kit (0175000)



SAVE
£16.00

Only £49.00
List Price £65.00

Terminator (30041500)

- Quickly tests voltage amplitude, duty cycle & speed (Hz) without damaging circuit under test
- Digital read out/flashing LEDs show type of signal or voltage being seen (avoids possible confusion using a multimeter)
- Designed for automotive sensor signals & voltages with built-in LED torch



SAVE
£10.50

Only £69.00
List Price £79.50

Electrical Fault Finder Set (30042000)

- Tracks short & open circuits quickly/easily
- Locates troublesome circuit faults even inside harnesses & behind panels
- Wide operating range, 6v-42v, with internal protection against overloads
- Adjustable sensitivity with variable audio/visual signals
- Non-contact technology – no wire piercing required



SAVE
£23.50

Only £159.00
List Price £182.50

Petrol Compression Test Set - for Deep Seated Plug Ports (31405000)

- Unique 'quick release' system, eases access to deep seated plug ports
- Positive lock chuck ensures adaptors are not left in spark plug port
- Self-centering adaptors minimise risk of cross-threading
- 20 bar pressure gauge assembly
- 10/12/14mm & Ford 14mm Duratec QR adaptors & 500mm braided hose

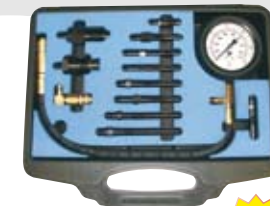


SAVE
£34.00

Only £125.00
List Price £159.00

Diesel Engine Compression Testing (314200V2)

- Comprehensive standard car kit for indirect & direct injection diesel engines
- Checks engine compression under cranking conditions
- Access cylinder via dummy injector & glow plug adaptors
- Built-in pressure relief valve enables repeat tests without dismantling
- Covers latest 2006/7 applications



SAVE
£45.00

Only £175.00
List Price £220.00

Automotive Digital Multimeter (30050000)

- Checks sensor outputs, component values, etc
- AC/DC volts up to 600v, DC current to 10A
- Tachometer from 500 to 1000rpm
- Dwell from 0° to 120°
- Temperature from -40° to 1000°C
- Resistance up to 2 MΩ
- Diode & continuity tests
- Overload protection; Auto power off
- Data hold facility for 'freezing' readings



SAVE
£10.50

Only £69.00
List Price £79.50



Sykes-Pickavant®

Automotive Workshop Solutions

www.sykes-pickavant.com



MASSIVE £750 OFF RRP!

on Multiscan & Ultrascan...

...when you part-exchange any
of your old scanners...



...and
many
more!

Special offer available from your local IFA Member NOW!
hurry, offer valid only until the end of July!



MULTISCAN FULL

The Multiscan is an outstanding tool for mobile technicians and established workshops alike. Easy to use and completely robust it is the first option over ALL other scan tools!

Diagnostics ✓ Activation Coding ✓
Key Coding ✓ Value for money ✓✓✓
Programming ✓ Offer lasting forever ✗

IFA Offer Price 5 yr weekly lease
RRP £2750.00 £15.71
with trade in £2000.00 £11.42



ULTRASCAN

Need an oscilloscope?
This has exactly the same software coverage as the Multiscan System with added Oscilloscope, and the following...

- Graphs the data(line/dot)
- 4 Channel Oscilloscope
- Time Division : 25ms - 20sec
- Sampling Rate : 500KHz per 2 channel
- Voltage Division : 0.1V-20V

IFA Offer Price 5 yr weekly lease
RRP £3250.00 £18.56
with trade in £2500.00 £14.28

Brake Pipe Corrosion Tool (02340000)

- Enables quick & easy inspection for brake pipe corrosion
- Two scraper areas on tool head for removal of pipe dirt/corrosion for effective examination of their condition

Only £8.95
List Price £11.95



SAVE
£3.00

Flaremaster2 Hand Held Automotive Brake Pipe Flaring Tool (02725000)

- Unique, original, patented design produces high quality pipe flares 'on-the-vehicle'
- Hydraulic power unit for precision flaring
- Creates SAE & DIN single and double flares (3/16" & 4.75mm pipe)

NEW features :-

- Quick release chuck engages punch positively
- Fast turn coarse thread on hydraulic ram, for quick assembly
- Interchangeable dies, held by magnets
- Locking bolt with swivel pin, for fast tightening
- Enhanced bridge strength
- Re-designed, ergonomic, handle moulding, for greater comfort

Only £108.75
List Price £145.00

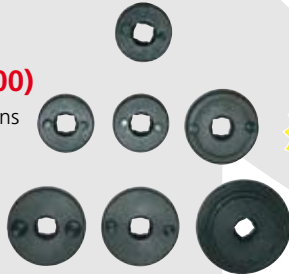


SAVE
£36.25

Slimline Windback Adaptor Set (03619400)

- For restricted access applications traditional adaptors do not fit
- Set of 7, for use with any 3/8 sq.dr windback tool

Only £33.75
List Price £45.00



SAVE
£11.25

Brake & Suspension Service Tools

Air Assisted Windback Tool (03619800)

- Air operated ram applies pressure to the caliper piston, while handle is rotated by hand
- Reversible – works on RH & LH applications
- Use on Wind back & Push back pistons
- Supplied with adaptor (036105V2) (covers wide range of popular vehicles - applications list included)
- Optional full range of additional specialist adaptors available (03619400)

Only £34.50
List Price £49.50

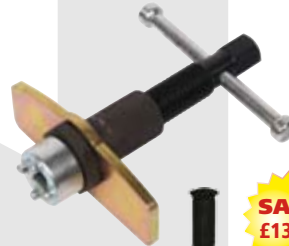


SAVE
£15.00

Restricted Access Piston Windback Tool (03619900)

- For applications traditional caliper wind back tools cannot access eg BMW Mini, Opel Corsa, etc

Only £13.49
List Price £26.95



SAVE
£13.46

Slide Hammer Hub Puller (08530600)

- Enlarged central dome accommodates larger wheel hub caps (eg Ford Focus)
- Extended spread pattern accommodates up to 175mm stud circle diameters

Only £75.00
List Price £98.00



SAVE
£23.00

Rear Suspension Tool Ford Fiesta/Ka/Puma (08730300)

- Removes/installs rear axle mounting bushes on Ford Fiesta, Ka & Puma 96> without removing the trailing link assembly from the vehicle

Only £89.00
List Price £115.00



SAVE
£26.00

Universal Suspension Arm Lever (08080000)

- Lowers suspension arm & separates suspension components
- Unique design reduces effort, using leverage & technicians' own bodyweight to create force required
- Adjustable, multi-position swing point allows variable applications, LH & RH

Only £155.00
List Price £199.00



SAVE
£44.00

CV Joint Puller (08090000)

- Removes FWD vehicle CV Joints
- Avoids removing entire drive axle
- No need to use a hammer – reduce risk of damage to the drive axle
- Saves time and cost

Only £115.00
List Price £149.00



SAVE
£34.00

Ford Focus Rear Wishbone Bush Tool (08730200)

- Removes/installs rear wishbone/trailing arm bush on Ford Focus 98>

Only £159.00
List Price £205.00



SAVE
£46.00



Sykes-Pickavant®

Automotive Workshop Solutions

www.sykes-pickavant.com





Call your local IFA Member for details of this quarter's Special Offers from ACTIA MULLER today!

Wheel Balancers

From £1399.00
5 yr weekly lease £7.99

Tyre Changers

From £1199.00
5 yr weekly lease £6.85

Wheel Aligners

From £1999.00
5 yr weekly lease £11.42

Air Conditioning Servicing

From £2599.00
5 yr weekly lease £14.84

Diagnostics

From £1999.00
5 yr weekly lease £11.42

Shock Tester

From £7259.00
5 yr weekly lease £41.46

Emissions

From £2849.00
5 yr weekly lease £16.27

ATL Brake Testers

From £7999.00
5 yr weekly lease £45.69

ATL Bay

From £16499.00
5 yr weekly lease £94.23

Lifting Equipment

From £2799.00
5 yr weekly lease £15.99

See tomorrow's ATL Bay today, at Actia Muller's demonstration facility in Birmingham!

X-431 Tool (Wireless/Bluetooth Ready)

Technician's tool! Features as X-431 Super Scanner with Bluetooth & colour touch screen, plus:

- OEM level scanning
- Detailed OEM level diagnostic scanning on European & Asian manufacturers
- Rechargeable Lithium battery, up to 10 hours life
- Daily online software updates
- Shockproof design

Only £3159.95
5 yr weekly lease £18.05



If you buy no other diagnostic tool,
the X-431 is the one to buy

CReader IV

- Interrogates all OBD protocols
- Reads/clears OBD11 system fault codes
- Supports protocols: CAN, SAE J1850 PWM, SAE J1850 VPM, ISO 9141-2, EKWP2000
- Supports freeze frame function
- Checks MIL, displays VIN number
- LCD display (128x32) & 2 line text display
- Simple two key operation
- Features plug & play
- Simple user manual with 1000s of fault code descriptions
- CD describes 1000s more fault codes
- Portable pocket sized device

Only £49.95



Only £145.00

LAUNCH

the name workshops around the world trust for vehicle diagnostic solutions

X-431 Super Scanner

- Detailed OEM level diagnostic system scanning
- CAN Bus system capability
- Touch screen/built-in mini printer
- Covers: ABS, A/C, airbags, auto transmission, body/chassis control, comfort electronics, engine, PDC, entertainment, immobilizer, tyre monitor, instrument cluster
- Actuation tests, key programming, display data stream, ECU id, coding, read/erase fault codes
- Exact cover & functions vary across manufacturer/model
- Huge range of VMs

Only £2599.95
5 yr weekly lease £14.85



Perfect for
working with a
wide range of
vehicles

Super16 Connector

- Connector for X-431 scanners
- Latest advance in CAN technology
- NEW - CAN & OBD in single connector, designed to last
- Own software - update online
- Provides X-431 user with smart OBD, OBD, CAN Bus 2, Citroën/Peugeot CAN Bus converter
- Introduces "CAN Bus 3" - for new GM vehicles (e.g. SAAB) needing double wired CAN Bus (i.e. SRS systems/some body control systems)

Super16 Connector
with X-431 Super Scanner
on own for current users

	IFA Offer Price	5 yr weekly lease
with X-431 Super Scanner	£2694.95	£15.39
on own for current users	£245.00	-



Special Offer
SAVE
when bought with
X-431 S-S

CRecorder

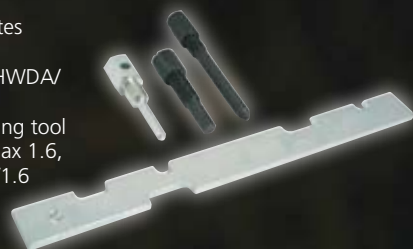
- Plug & play, records OBD 11 live data
- Captures up to 24 hours of live data
- Download data to PC
- Identifies when fault code set
- Data presented in charts/tables for accurate diagnosis
- Compact design: 50x40x20mm
- Supports protocols: ISO9141, J1850PW, J1850PWM, ISO 14230KWP, CAN Bus
- Complete - includes software & USB cable
- 24 hours of recording over 30 drive cycles
- User friendly interface with clear data display

Only £59.95



Engine Timing Tool Set Ford (4347)

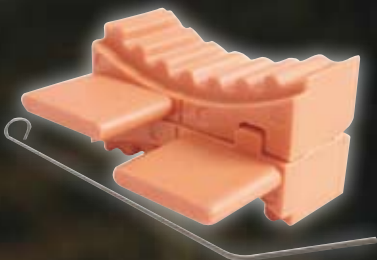
- New camshaft setting bar (updates existing 3096)
- All applications including latest HWDA/HWDB/HXDA engines
- Includes crankshaft holding/locking tool (303-748, 21-259) for Focus/CMax 1.6, 1.4/1.6 & Fiesta/Fusion 1.24/1.4/1.6



Only £19.95

Engine Timing Tool Kit Vauxhall/Opel (4417)

- Camshaft alignment pin (KM 6340) & tensioner locking pin (KM 6333) for Vauxhall/Opel Astra-G, Astra-H, Meriva (VXR), Zafira-B 1.6 16v with engines Z16LET, Z16XEP 2003-2007



Only £29.95

Engine Timing Tool Kit Renault Twin Cam 16v (3388)

- Includes: Crankshaft timing pin x 2, crankshaft setting bar & crankshaft mounting bracket
- Corrects Renault engine timing when changing timing belt, including Clio III 1.6 to K4M/813 2003> (with no lower cover access panel to timing belt)



Only £49.95

Engine Timing Tool Set Citroën/Peugeot (4330)

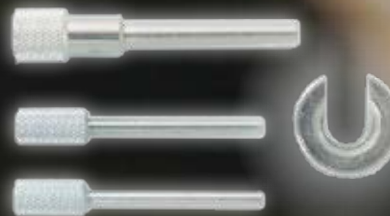
- Range of timing tools
- For latest EW coded PSA engine on:
 - Citroën Xsara/Picasso/C5/C4/Evasion/Synergie/C8/Jumpy/Dispatch
 - Peugeot 206/307/406 Coupe/607/806/807/Expert
- Engine Codes: EW12J4(3FC) EW10D-HP(RLZ) EW10J4S(RFK) EW10J4(RFN/RFR) EW7J4(6FZ)



Only £95.00

Diesel Engine Timing Tool Kit PSA/Fiat (4555)

- For PSA 2.5/2.8D Fiat/Iveco/Renault/Vauxhall
- Includes: Setting pin x2, flywheel locking pin & tensioner retaining tool



Only £11.99

Engine Timing Tool Kit Renault (4076)

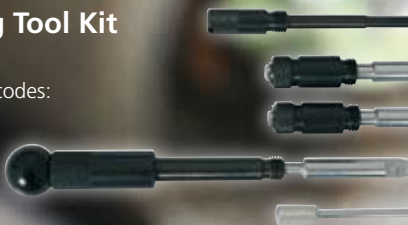
- Enables correct engine timing servicing on Renault 1.5 K9K, 1.9 F9Q 750/754 & 2.2/2.5 DCi G9T engines
- Includes: Tension pre-set tool (applies correct pre-tension to timing belt), interchangeable covers (3) & spacing washer to suit tensioner variety



Only £180.00

Engine Timing Locking Tool Kit Fiat 2.3 (4636)

- For Fiat Ducato 2.3 JTD engine codes: F1AE0481C, F1AE0481D, F1AE0481N 2002-2008



Only £29.99

Support Guide Set VAG (4637)

- Front end of certain VAG vehicles slide forward to give more room for Cam belt & engine timing servicing.
- Use these tools through the front panel to allow front end to slide forward & be held in service position
 - Three sizes available:
 - 17mm x 2 (OEM 3369): Popular on many engines
 - 8mm x 2 (OEM 3411): Popular on Passat 1.9 TDi PD & 1.6/2.0 Sharan 1.9 TDi PD
 - 10mm x 2: Recent intro on some later models



Only £29.95

BMW Vanos Engine Timing Tool (4641)

Engine timing tools for BMW models with VANOS chain driven engines. Set compliments existing Laser Tool 3113 tool kit

Component Code	Description	OEM Tool Code
C024	Timing Chain Pre-tensioning tool	11 4 220
C026	Tensioner Locking Tool	11 3 292
C379	Camshaft Timing Setting Tool	11 6 150
C380	Vanos Unit Checking Tool	11 3 450
C381	Camshafts Sprockets Alignment Tool	11 6 180

Models	Type	Engine Code	Year
320i/323i/328i/Coupe	E46	20/25/28 6S 2 (M52)	98-01
520i/523i/528i	E39	20/25/ 6S 4, 28 6S 2 (M52)	98-01
728i	E38	28 6S 2 (M52)	98-02
Z3 2.0i/2.8i		20 6S 4, 28 6S 2 (M52)	99-03
Z3 2.2i/3.0i		22 6S 1, 30 6S 3 (M54)	00-03
X5 3.0i	E53	30 6S 3 (M54)	99-07
320i	E46	22 6S 1	00-07
520i	E39	22 6S 1	00-03
520i	E60/61	22 6S 1	03-05
325i/Compact	E46	25 6S 5	00-07
330i	E46	30 6S 3	00-07
525i/530i	E39	25 6S 5, 30 6S 3	00-03
525i/530i	E60/61	25 6S 5, 30 6S 3	03-05
730i	E65/66	30 6S 3	02-05
X3 3.0	E83	30 6S 3	03-07
Z4 2,5/3.0	E85	25 6S 5, 30 6S 3	03-06

Only £249.00



Engine Timing Tool Kit Audi 2.0 FSi (4421)

- Includes: Two pin wrench (T10252) & Camshaft locking pin (T10115) with special bolt & nut 5x0.8x55mm (T10092), Camshaft clamp (T10252) Camshaft Adjuster (T20018/3366) & Cam belt tensioner locking pin

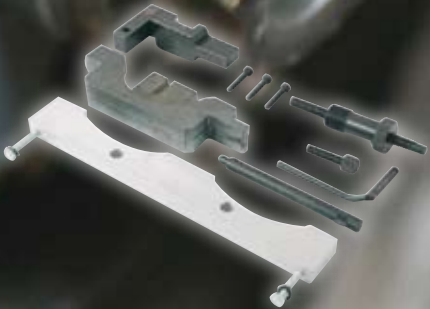
Only £89.00



Engine Timing Tool Kit BMW 1.8/2.0 (4419)

- Includes: Exhaust camshaft alignment tool (11 9 291/3), Inlet camshaft alignment tool (11 9 292), Flywheel timing pin (11 5 120), Sensor gear alignment tool (11 9 350), Timing chain pre-tensioning tool (11.9.340)
- Also Thumbscrew M8 x 1.25 x 20 (11 9 293) for 118i/120i (E87), 318i/320i (E90) & Z4 2.0 (E85), as well as 316i/316ti Compact (E46) & 318i/318ti Compact (E46) with Flywheel timing pin (11 9 190) with N42 and N46 engines

Only £269.00



Engine Timing Tool Kit Mercedes-Benz/Chrysler (4706)

- Covers large range of models in Mercedes-Benz range, petrol & diesel engines
- Also suitable for Chrysler PT Cruiser 2,2 CRD & Jeep Grand Cherokee 2.7 CRD
- Includes: Flywheel plate locking tools & Camshaft locking pin set

Only £99.00



Engine Timing Tool Kit Ford Focus CMax Ti-VCT (4409)

- Essential for replacing Cam belt on Ford Focus/ CMax 1.6 Ti-VCT engine code HXDA (2003-2007)
- Also 2.0 TDCi with engine codes G6DA, G6DB, G6DC 2003-2007
- Includes: Camshaft sprocket holding tool (OEM 303-1097), Tensioner pulley locking pin (OEM 303-1054), Flywheel timing pin (OEM 303-1059), Crankshaft timing pin (OEM 303-748), Camshaft sprocket locking tool (OEM 303-735)

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Fully Automatic
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*Vastly more
comprehensive
than competitors!
Start-Up Pack
WORTH OVER
£600!*

A/C Servicing Packages

IFA Offer Price 5 yr weekly lease

SMP2 Fully Automatic Package	£2499.00	£14.27
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Air Conditioning Servicing

Servicing Machine Packages

All our A/C servicing packages come with:

- Outstanding technical support/back-up
- Unsurpassed on-site commissioning & user training
- Highly reliable on-going support

**ON-SITE
TRAINING
provided with
every machine
package**

**Essential A/C
Consumables
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Start-Up Pack Included with SMP1 & SMP2:

UV Dye Injection Kit, Temperature Probe, Schrader Valve Tool, O Ring Kit, Electronic Leak Detector, 13.6kg R134a Refrigerant, PAG 150 Oil - Ultra High Viscosity, PAG 100 Oil - High Viscosity, PAG 46 Oil - Low Viscosity. Plus safety glasses, impervious gloves, delivery, on-site training and on-going technical & product support.

Optional Package Extras

Refrigerant Identifier



Oxygen-Free Nitrogen Regulator



Flushing Tool Kit



**Whatever your Air Conditioning
needs, Four Seasons has it all...**

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flexible finance from firm foundations

by Steve Carter
SMART CHOICE DIAGNOSTICS DIGEST

Easy Guide to Air Conditioning System Diagnosis

As with all diagnostic procedures one should always have an open mind when confronted with a non-operational air conditioning system. With power train diagnostics, the customer's observation and comments can prove to be invaluable. This is less so when it comes to air conditioning. In some cases, customers report that the system is working, but is not as cold as it used to be. Investigation then shows that the system has no refrigerant gas at all, or a drive belt for the compressor is missing!

The following diagnostic procedure works well for automotive air conditioning systems. Although it is desirable to carry out a visual inspection to familiarise yourself with the various individual components of the A/C system, in many instances this may prove impractical, due to the integration of the A/C system in the vehicle's engine bay. Something those who have worked on a Peugeot 807 are more than well aware of!

Refrigerant Identification

A refrigerant identifier is a desirable piece of equipment for A/C diagnostics

Pressure Testing

The next job utilises the most unused function of the A/C service station, the pressure gauges. At this stage it is probably unnecessary to have our machine connected to a main supply. It is vital that before connecting the service station to the vehicle that the gauges are reading zero. Failure to do so may lead the operator to believe the system is pressurised when it

may have a leak. A zero pressure indication suggests the system has a leak and an OFN pressure test is required. The system must hold 10 bar for 30 minutes with no loss of pressure before it can be recharged.

If there is a pressure of 4 to 5 bar on the high and low side gauges, this is the resting pressure of the system with the engine off. It is likely the system is sound. It does not indicate the amount of refrigerant in the systems. The author has seen pressure of this magnitude on a Volvo 940 with just 90 grams of gas.

Clutch Cycling Compressor Check

Next check for compressor output. Start the engine and switch on the A/C.

On systems with a clutch cycling type compressor, a clunk will be heard when the clutch is engaged. Fairly quickly the low pressure gauges should give a reading of 2 bar and the high pressure gauge 10 bar. This indicates a refrigerant temperature of 2°C in the evaporator and good cooling (3 bar indicates a refrigerant temperature of 9°C and poor cooling). These are the normal operating pressures of a system with at least 65% of its refrigerant content.

If the system has low gas, the low side gauge gives a reading below 2 bar. At about 1 to 1.25 bar the low pressure switch is activated and disengages the compressor clutch. No audible clunk (confirmed by no reading on the pressure gauges) requires diagnosis.

If possible run the vehicle's own diagnostic system to run the compressor clutch test. If this is not possible, then there is an alternative. Most compressors are earthed through their casing, so if 12 volts positive is supplied to the compressor clutch with the engine & ignition off, it should audibly engage. If it does not and the engine earth is good, then it suggests the compressor clutch may be at fault.

If the clutch does engage, then the issue may be with the 12 volt supply to the compressor. Check the obvious items like the fuse & relays. An outside air temperature sensor that shows 1°C could stop the compressor clutch from engaging.

If the compressor is heard to engage, but there is no output on the low or high pressure gauges, check to make sure that the centre shaft of the compressor is rotating. If it is, this is an almost conclusive sign of compressor failure. Even with a small amount of gas, there should be some output from the compressor.

Ambient Temperature

All the pressure readings in this article are related to an ambient air temperature of approximately 20°C. Noting the ambient temperature is very important and failure to do so can lead to wasted valuable time.

A real life example demonstrates this. A vehicle air conditioning compressor would engage and disengage about every 20 seconds. The garage had known this car for some time, and were adamant it was not normal. Further investigation showed that the compressor was

disengaging as it reached 1.3 bar on the low side, quite normal for the low pressure switch as the outside air temperature was only 4°C!

Variable Displacement Compressors

Manufacturers are now moving into variable displacement compressors. These have no clutch and are permanently engaged (there is no clunk to be heard).

The only evidence that this type of compressor is working, is from the pressure gauges, which give slightly different indications to those for a clutch cycling compressor. As the name implies, the output from the compressor is variable, so the gauges may take longer to reach the 2 and 10 bar position. As the output from the compressor is ramped up, equally the pressures degrade more slowly as the compressor's output is reduced after the desired cooling has been reached.



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with 3 stage
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hydraulic lift,
low profile base
(CL3200)**

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base frame lift
(LM1503)**

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German built
long life
mechanical
baseless lift,
5 year nut
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5 yr weekly lease £15.42



**Hydraulic
3.0 tonne lift
with base
(LM1511)**

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Lifts with a base frame are generally more likely to be suitable for floors that are less than perfect

Class IV ATL Bays

SMART CHOICE BUYING GUIDE

Supplier

ATL model

4 Post or Scissor

Lifting Capacity

Footprint

Floor recess required

Jacking beam

Brake tester type

Display type

Radius turning plates

Wheel play detectors

Headlamp beam tester

Emission tester

Power supply

Country of Origin

Parts availability

Warranty



Ranger
Hymax X3500
Scissor
4 Tonne
4510 x 2100 mm (pit 4650 x 2150 mm)
180mm
2 Tonne manual
Computer controlled brake tester with cabinet, IR remote control, Colour printer, 4T Roller bed
22" Flat screen
Integral, roller bearing
Hydraulic operation
2005 spec VOSA approved Sol R 10
Available but not included
3ph & neutral
Germany
In stock
12 Months

Only £19145.00
5 yr weekly lease £109.35



Tecalemit
ATLR 4711/3
4 Post
4 Tonne
4500 x 2300 mm
145mm
2 Tonne
Roller brake tester, IR remote control. PC workstation, 19" flat screen. Test result archive
Optional large wall or pedestal mounted graphic LED display for brake force & digital read-out
Ball bearing type recessed/flush fitting
Hydraulic, flush fitting with lift platform
VOSA approved for all MOT testing classes
Optional DiX combined emission tester including magnetic RPM measurement
3ph or optional 1ph
UK & EU
From Tecalemit
12 Months

Only £19799.00
5 yr weekly lease £113.08



Actia Muller
Bilanmatic 8000 Mx
4 Post
3.5 Tonne
4450 x 3005 mm
190mm
Easy glide hydraulic 2 Tonne
Industrial grade PC with latest multiplex CAN bus technology
19" Flat screen
In-built roller bearing
In-built hydraulic
Laser aligned, very latest VOSA approved
Optional AM705 Combination station
415v 3ph & 240v 1ph
France/Italy
Ex-stock
12 Months

Only £20499.00
5 yr weekly lease £117.08



Bradbury
H4103ATL
4 Post
4 Tonne
4490 x 2750 mm
130mm min
3 Tonne
Full PC with remote control, colour printer & cabinet
19" Flat screen
Recessed bearing type
Hydraulic
Laser aligned, meets very latest VOSA spec
Optional gas/smoke, PC based
3ph: brake tester - 40 amp, lift - 15 amp
EU
99% of parts available in UK warehouse for immediate delivery
12 Months

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5 yr weekly lease £125.65



V Tech
VTATL4
4 Post
4 Tonne
5720 x 3160 mm
160mm
2.6 Tonne
PC based electronic
19" Flat screen
Included
Electro-hydraulic
Electronic/manual
PC based included
3ph or 1ph 240v
EU
Ex-stock
Lift 2 year, Brake Tester 3 year, Emissions tester 5 year

Only £24995.00
5 yr weekly lease £142.76

**If you need an ATL
contact your local
IFA Member today**

Supplier

- ATL model*
- 4 Post or Scissor*
- Lifting Capacity*
- Footprint*
- Floor recess required*
- Jacking beam*
- Brake tester type*
- Display type*
- Radius turning plates*
- Wheel play detectors*
- Headlamp beam tester*
- Emission tester*
- Power supply*
- Country of Origin*
- Parts availability*
- Warranty*

SMART CHOICE BUYING GUIDE

Air Conditioning Servicing

Tecalemit AC2500 N9 PRO

the most advanced machine currently on the market

- Meets the new SAE J2788 requirements for recovery & recharging
- Patented, integrated, anti-bacterial evaporator cleaning system
Clean while you charge!
- High side purge valve for total recovery after recharging a vehicle
- Advanced database for all vehicle recharge quantities
- 5 Year warranty (subject to annual servicing)
- Heavy duty design for the most demanding workshops
- FREE 'F' Gas compliant training for two technicians**



AC2500 N9 Pro Fully Automatic A/C Servicing Machine

- Integrated thermal printer for reports & printouts
- Patented flushing equipment & software included for cleaning A/C systems
- Refrigerant usage & daily management reports can be downloaded to a PC
- Automatic dye injection & oil replenishment system
- 3 Metre hoses; Large LCD display; Class 1 gauges
- Automatic purge valve for non-condensable gases

Fully Automatic Pro A/C Servicing Machine (AC2500 N9)

A/C Servicing Machine	IFA Offer Price	5 yr weekly lease
AC2500 N9 PRO (shown)	£3049.00	£17.41
AC2500 N9	£2629.00	£15.02
AC3000	£4299.00	£24.55

FREE Starter Kit with every A/C unit purchased

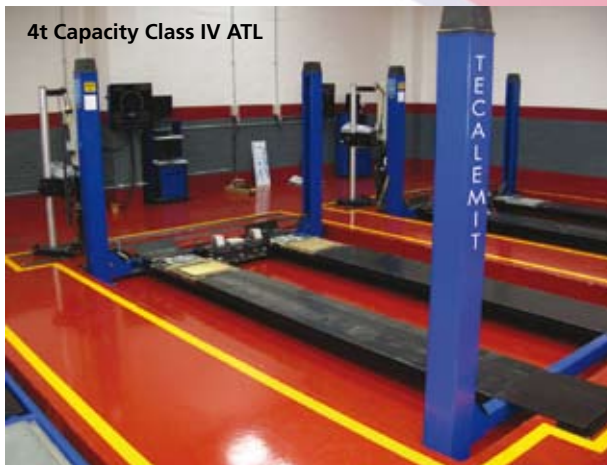
- easy fill dye injection kit (includes goggles)
- pair of gloves



Think you can't afford the great quality & service Tecalemit offer? Look again...

MOT Testing

Tecalemit now provides a range of packages for your MOT equipment from entry level **REGULAR** through our previous level **PREMIUM** to fully inclusive of upgraded equipment, warranty, servicing and calibration **PREMIUM PLUS**. Enhanced package **Upgrades** offer you peace of mind with no additional costs for servicing for up to five years. Entry level packages enable you to experience the quality and durability of Tecalemit packages at a price you can afford.



Tecalemit - the UK's leading Test Lane equipment supplier

The Tecalemit MOT Equipment range is the most comprehensive available from a single supplier. All equipment has required VOSA approvals and appropriate CE/ISO accreditation. Tecalemit's experienced Technical Sales Staff (located throughout the UK) guide customers through the application process and prepare CAD layout drawings for presentation to VOSA. All Tecalemit equipment is installed by Tecalemit engineers who also provide after-sales support, servicing & calibration.

eRoadworthy Hand Held MOT Device (DE 9043)

eRoadworthy is a portable hand held wireless automotive data entry device, enabling vehicle test & condition data to be recorded. Approved by VOSA for use with the VTS system, eRoadworthy bridges the gap between manual inspection documentation & the computer.

Carry out an inspection without manually re-entering the details of the inspection into the VTS terminal, (saves up to 6 minutes per test).

Only £999.00



16

Included in **PREMIUM PLUS** package

All Class IV & Class VII ATL **REGULAR** Packages Include:

- Lifts fitted with integral flush fitting play detectors & radius turning plates
- Workstation with PC keyboard, printer & mouse
- 19" Flat screen monitor (displays brake test results - can be archived as required by VOSA)
- Rail mounted headlamp beam tester (DE 7288) approved to 2005 standard
- 1 Pair of convex mirrors
- Adjustable brake pedal applicator

Class IV ATL **REGULAR** Package

- Lift (surface mounted or recessed into floor):
 - 4.0t 4 Post (SF 9254) or 4.5t Scissor lift (SF 9094)
 - 1.8t Capacity jacking beam
- Electronic roller brake tester (DE 9415) suitable for all cars & 4x4 vehicles

Class VII ATL **REGULAR** Package

- Lift (surface mounted or recessed into floor):
 - 4.0t 4 post (SF 9057), 5.0t 4 Post LWB (SF 9257) or 5.0t Scissor lift (SF 9064)
 - 2.6t Capacity jacking beam
- Electronic roller brake tester (DE 9715)

ATL **REGULAR**

	IFA Offer Price	5 yr weekly lease
Class IV ATL:		
Pit Package	£14699.00	£83.95
Scissor Lift Package	£22999.00	£131.36
4 Post Lift Package	£19799.00	£113.08
Class VII ATL:		
Pit Package	£17749.00	£101.37
Scissor Lift Package	£28699.00	£163.92
4 Post Lift Package	£25599.00	£146.21
4 Post (LWB) Lift Package	£26799.00	£153.06

OPTL Testing Upgrade to Existing Class IV or VII

Pre-existing MOT Stations can upgrade to One Person Testing by adding approved wheel play detectors & associated equipment. Tecalemit have approved equipment & provide expert advice/assistance & the best OPTL lift equipment:

- Class IV: Quadra SF 9254 Lift
- Class IV: Scissor Lift SF9094
- Class VII: Quadra SF 9057 Lift
- Class VII: Quadra SF 9257 Lift (LWB)
- Class VII: Scissor lift SF 9064
- Integral, flush fitting hydraulic play detectors, radius plates
- Brake pedal applicator
- Mirror kit; Headlamp beam tester
- Jacking beam



OPTL Upgrades

	IFA Offer Price	5 yr weekly lease
to existing Class IV	from £11799.00	£67.39
to existing Class VII	from £12199.00	£69.68

ATL Upgrades available:

PREMIUM Package

Class IV: upgrade to 2.0t Capacity jacking beam
Class VII: upgrade to 2.8t Capacity jacking beam

Class IV & Class VII:

- Roller brake tester supplied with galvanised installation frame, heavy duty roller covers & large, wall or pedestal mounted LED digital / graphic display
- Headlamp beam tester supplied with RS232 connectivity, counterbalanced optical box & laser height alignment
- Mirrors installed
- Electronic tri-axial decelerometer (DE 9041)

ATL **PREMIUM**

	IFA Offer Price	5 yr weekly lease
Class IV ATL Packages:		
Prices from	£16649.00	£95.09
Class VII ATL Packages:		
Prices from	£20599.00	£117.65

PREMIUM PLUS Package

Class IV & Class VII, as **PREMIUM** package plus:

- 3 Year manufacturers' warranty*, service & calibration
- eRoadworthy (DE 9043) VOSA approved hand held device (records MOT Test data)

(*Warranty excludes consumable products, external cables, filters & batteries, damage caused through use of the equipment inconsistent with that laid out in the O&M Manuals and damage caused through water ingress)

ATL **PREMIUM PLUS**

	IFA Offer Price	5 yr weekly lease
Class IV ATL Packages:		
Prices from	£23199.00	£132.50
Class VII ATL Packages:		
Prices from	£27999.00	£159.92



2 Post Lift

3.2t Capacity 2 Post Electro Hydraulic Lift (444 9070)

Features include:

- Cost saving electro hydraulic operation
- Low lifting pad height
- Electrically operated mechanical latching
- Low maintenance cost
- Semi-base frame design
- 3ph Power supply (1 phase option at extra cost)



Staggering features on this exceptional quality, GREAT VALUE 2 Post Lift

'Sentinel' Hydraulic Lift
A Master in its Class

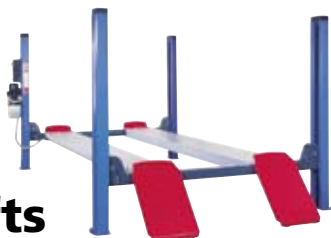
Only £2599.00

5 yr weekly lease £14.84

4 Post Lift

Quadra 4 post 3.5 Tonne MOT Lift (SF9004)

- Suitable for Class IV MOT testing
- Surface mounted
- 4m platform
- Electronically controlled safety latching system
- Lift platforms include recesses for radius plates



Tecalemit Quadra Lifts are in use in 1000s of workshops throughout the UK & Europe

Only £3899.00

5 yr weekly lease £22.27

Scissor Lifts

Short Platform Tyre Shop Lift (SF9130)

- 3000kg Capacity
- Platform length 1400-1932mm
- 930mm Lifting height
- Ideal for fast fit/tyre shop
- 1ph Power supply

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Tecalemit first for garage equipment

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Semi-Automatic Tyre Changer (BL512)

Semi-Automatic swing arm tyre changer. European manufactured to highest standards, ideal for general tyre fitting. Features include:

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- Clamps wheels from 10-22"
- Use with wheels up to 12" wide
- 1ph Power requirement
- Includes installation & on-site training
- **FREE Alloy Rim Protection Kit, 5kg Bead Paste/Brush, 100 Tyre Valves**

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5 yr weekly lease £7.42



Teco Kit Wheel Balancer Accessories (OA60240)

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4 Wheel Laser Alignment System (GTR400W)

- Wheels from 12-23"
- Includes on-site training
- Low ground clearance avoids front spoilers
- Rapid operation with 'hang-on' heads
- 2 Year warranty

Only £1899.00

5 yr weekly lease £10.85



Automatic Tyre Changer (AL518)

Features our 2 piston pneumatic arm locking system ensuring highly accurate positioning of the operating head/complete operational stability. Features include:

- Automatic operation
- Tilting column allowing easier access
- Precision pneumatic operating arm locking
- Suitable for wider wheels
- **FREE Alloy Rim Protection Kit, 5kg Bead Paste/Brush, 100 Tyre Valves**

Only £1749.00

5 yr weekly lease £9.99



Automatic Tyre Changer Complete (AL518/TH)

As AL518 plus:

- Technoroller for use with low aspect tyres & alloy rims
- Helper Arm to assist re-fitting tyres

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5 yr weekly lease £17.70



Automatic Wheel Balancer (SBM150)

High performance balancer with automatic data entry, heavy duty cabinet and easy operation. An absolute must for higher volume tyre bays:

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- 7 Balancing programmes
- Pax wheel programmes
- Split (hidden) weight programmes
- Optimisation Programme
- Large double digital display

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Emission Testers

Dix 480 Combined Emission Tester (DiX 480/1)

A modular emission tester that can be supplied as either a basic diesel engine smoke meter or petrol engine 4 gas analyser, or as a combined emission tester. Features include:

- Single annual calibration
- DiSpeed engine speed measurement tool
- 1 Year warranty
- 1 Year VOSA data
- Windows XP operating system
- 17" TFT plasma display
- A4 printer protected from dust in cabinet
- Integral cable storage
- Optional 2nd screen for test lane result display & reference data

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5 yr weekly lease £30.84



Rail Mounted Headlamp Beam Tester (DE7588)

Supplied complete with rails & fixings. Approved for all Classes of MOT testing. Suitable for Gas Discharge type headlamps such as Xenon. Features include:

- Easy to read screen & LCD Display
- Counter balanced box for easy vertical movement
- Optical box height laser alignment
- Stable 3 wheel base
- RS232 Connectivity & software

Only £879.00

(DE7588/Inst)

- Rail mounted headlamp beam tester
- Installation by Tecalemit engineers includes calibration & certification

Only £999.00



suitable for Xenon headlamps

Robust Reliable



Probably the largest range of MOT Equipment in the UK

Two Post Lifts

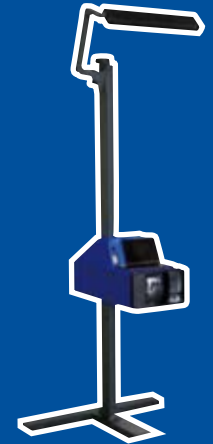
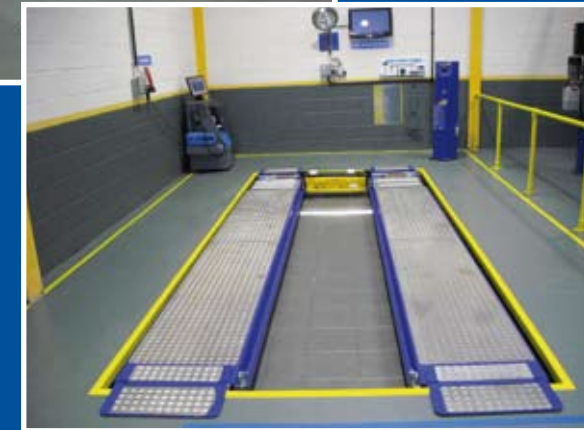
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Standard, OPTL & ATL Test Lanes

You get what you pay for!



Built to last
and last
and last
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and last
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and last

- 4 Tonnes for the cost of most other 3 tonne lifts
- 5 Year structural warranty
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- 4 x 4 Van pad height adaptors FOC
- 30 Day money back guarantee
- 2 Widths available
- Meets all CE & US lift approvals
- Highly energy efficient



- VOSA Approved
- 4 Post Lifts
- Scissor Lifts
- Headlamp Aligners
- Brake Testers
- Motorcycle Adaptors
- Jacking Beams



Wheel Free Lifts

H4543

5T 4 Post wheel free electro-hydraulic lift

- Safe & reliable hydraulic operation
- Ideal general workshop use for 4x4, standard & LWB vans
- Platform length 5450mm & 160mm low profile platform
- Anti tilt system, emergency stop valve
- Automatic air-operated parking system
- Low maintenance costs
- Eccentric brake system



Wheel Free Lifts

	IFA Offer Price	5 yr weekly lease
H4443 4.0 tonne	£9399.00	£53.68
H4543 5.0 tonne	£11399.00	£65.11

Wheel Care

WC5201

Fully auto tyre changer

- Tilt column action
- Capacity: 12"-20" external
12"-23" internal
- Standard fitting includes air filter/regulator/oiler & inflator with pressure gauge
- Tyre lever, alloy wheel protection kit & soap bucket
- Single phase
- Operating pressure 8-10 bar (116-145 psi)



Buy Tyre Changer WC5201
+ Wheel Balancer WC5521
together

Save £319!

Only £2259.00
5 yr weekly lease £12.90

WC5201AA

Fully auto tyre changer with assist arm

Fully automatic tyre changer with assist arm. Makes easy work of changing low profile tyres in independent & MOT workshop environments

- Operating pressure 8-10 bar (116-145 psi)



Buy Tyre Changer WC5201AA
+ Wheel Balancer WC5521
together

Save £379!

Only £2849.00
5 yr weekly lease £16.27

WC5201RM

Racing auto tyre changer

- Stands up to long term intensive use
- Capacity: 10"-24" external
12"-26" internal
- Double assist arm & roller
- Bead jet blaster inflation
- Two position bead breaker
- Plastic foot inserts protect alloy rims
- Operating pressure 8-10 bar (116-145 psi)
- 3 Phase



Buy Tyre Changer WC5201RM
+ Wheel Balancer WC5521
together

Save £529!

Only £3699.00
5 yr weekly lease £21.13

ATL/OPTL Lifts

MOT packages

ATL/OPTL Upgrades include:

- Complete with recessed radius plates
- Air or hydraulically operated axle play detectors
- Jacking beam
- Headlamp aligner
- Mirrors
- Pedal depressor

ATL/OPTL Upgrades

	IFA Offer Price	5 yr weekly lease
H4103ATL 4T 4 Post	£11999.00	£68.53
H4403ATL SL 4T 4 Post	£12349.00	£70.53
H4403ATL 4T 4 Post	£14349.00	£81.95
H8303ATL 4.5T Scissor lift	£15749.00	£89.95
H4503ATL 4T 4 Post	£15699.00	£89.67
H4703ATL 4T 4 Post	£12579.00	£71.85
H4503ATLLWB 5.2T 4 Post	£17099.00	£97.66
H8203ATL 5T Scissor lift	£16999.00	£97.09

MOT Packages

	IFA Offer Price	5 yr weekly lease
MOT Bay with Analogue Brake Tester		
441A Class IV	£12499.00	£71.39
MOT Bay with PC Brake Tester		
441MC Class I & II	£6399.00	£36.55
441V Class IV	£14699.00	£83.95
743V Class VII	£19799.00	£113.08
ATL Bay with PC Brake Tester		
441VATL SR Class IV	£21999.00	£125.65
441VATL SL Class IV	£22399.00	£127.93
441VATL Sc Class IV	£25299.00	£144.50
743VATL Class VII	£27499.00	£157.06
743VATL Sc Class VII	£29999.00	£171.34
743VATL LWB Class VII	£26499.00	£151.35
743VATL LWB EX Class VII	£28999.00	£165.63

2 Post Lifts

Chain or shaft driven quality lifts

Quality 2 Post Lifts

- Low specification floor requirement with integral base
- Low ceiling requirement, will fit in most workshops/service bays
- Automatic safety cut out & low voltage controls
- Proven electro-mechanical screw & nut operation
- Suitable for cars & car derived vans
- Narrow design maximizes vehicle workshop space
- Automatic locking arm for ease of use

M2903

3.0T 2 Post electro-mechanical lift

Shaft driven. Features as summary above plus:

- Supplied as standard with 2 sets of high lift adapters FOC
- Low pad height

M2903CD

3.0T 2 Post electro-mechanical lift

Chain driven. Features as summary above plus:

- Supplied with 60mm & 100mm set of high lift adapters FOC
- Very low pad height of 90mm, for ease of use
- Sturdy construction c/w integral H shaped base frame



2 Post Lifts

	IFA Offer Price	5 yr weekly lease
M2903 3.0T Shaft Driven	£2949.00	£16.84
M2903CD 3.0T Chain Driven	£2499.00	£14.27

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EQUIPMENT

Carman Scan Lite

- World's leading Asian vehicle scanner
- Asian & European applications
- Complete with Asian vehicle connectors
- No software time out or catch up

Only £1695.00
5 yr weekly lease £9.68



Tecnotest Reflex

- All makes diagnostic
- Massive coverage
- Quick & easy to use
- Lots of adaptation & coding
- Free Scope & Multimeter

Only £1995.00
5 yr weekly lease £11.39



Smokepro Total Tech

- Diagnostic smoke machine
- The professionals choice
- Finds leaks in seconds
- Vacuum, inlet, exhaust & much more

Only £675.00



Common Rail Test Kit

- Great new low price kit
- Checks Injector for leaks & leak back volumes
- Pressure pump operating & maximum rail pressures
- Pre pump low pressure & vacuum gauges



Only £520.00

BMW & Porsche Diagnostics

- Two great new testers
- Outstanding Laptop based software
- Includes most applications to current model
- Huge range & depth of coverage
- The professional choice



BMW Only £629.00
Porsche Only £659.00

*** SPECIAL OFFER ***

Ignition Quick Testers

- Diagnostics made easy
- Battery operated hand held testers
- Check COP "Coil on plug" & KV in seconds



JULY only
buy both for **£125**

Buy both & get a **FREE**
Injection System Tester
worth **£18.95**



COP Quick Tester

- Essential NEW tool for vehicle technicians
- COP (Coil on Plug) Quick Tester quickly diagnoses if a spark is present on each cylinder, unlike difficult lengthy conventional methods
- Place tester close to coil position to discover in seconds if spark is present & has correct duration



Only £75.00

ONLY £69 during July

KV Tester

- A must for every technician's tool box
- KV Quick Tester gives quick/reliable results indicating offending cylinder when a vehicle is mis-firing, in seconds
- Much faster than conventional method of connecting the vehicle to an engine analyser or ignition oscilloscope
- Quickly diagnoses if vehicle has failed due to lack of spark or fuel

Only £75.00

ONLY £69 during July

*** SPECIAL OFFER ***

See front cover for your nearest branch