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TOOLS THAT MAKE THEIR MARK.



TOOL CATALOGUE

2023

ENGINE / RADIATOR / A/C TOOLS

Engine / Radiator / A/C

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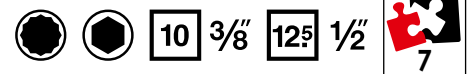
265–267



V5676, EAN 4047728**056762**

Lambda probe set

- Lambda probes, injection nozzles as well as thermal circuit-breakers in hard to reach areas



● SW 22 mm

10 3/8



● SW 22 mm

10 3/8



● SW 27 mm

10 3/8



● SW 22 mm

125 1/2



● SW 29 mm

125 1/2



○ SW 27 mm

125 1/2



● SW 22 mm

10 3/8



V6741, EAN 4047728**067416**

Extractor set for ignition coils

- Professional and damage-free removal of ignition coils and ignition coil strips on VAG and OPEL/VAUXHALL engines
- Attaching and then removing enables an even disassembly of the ignition module
- Recommended use in pairs
- Greatest market coverage
- 2 ignition module pullers for:
 - CHEVROLET/GMC Aveo Cruze · OPEL/VAUXHALL Adam · Agila B · Astra J · Cascada Combo · Corsa D · Meriva B · Mokka · Zafira Tourer
 - Engines:
 - 1 litre A10XEP (LDB), 1.2: A12XEL (LWD) A12XER (LDC), 1.4: A14XEL (L2Z) A14XER (LDD) LDU
 - 1.4 litres (T) A14NEL (LUH) A14NET (LUJ) Twinport / ecoFLEX engines
 - OPEL 3 or 4-cylinder petrol injection engines e.g. in Agila A · Astra F · Astra G · Astra H · Astra J · Calibra Combo · Corsa B · Corsa C · Corsa D · Frontera A · Frontera B · Insignia · Meriva A · Meriva B · Omega B · Signum · Tigra A · Tigra B · Vectra B · Vectra C · Zafira A · Zafira B
 - Engine codes: 20LEH · 2HO · A10XEP · A14NEL · A14NET · A14XER · A16LET · A16XER · A18XER · C22SEL · LDD · LDE · LLU · LUH · LUJ · X14NZ · X14SZ · X14XE · X16SZR · X16XE · X16XEL · X18XE · X20SE · X20XEV · X22SE · X22XE · Y22SE · Z10XEP · Z12XE · Z12XEP · Z14XE · Z14XEL · Z14XEP · Z16LEL · Z16LER · Z16LET · Z16XE · Z16XER · Z16YNG · Z18XE · Z18XER · Z20LER
- 4 ignition claws:
 - TYPE A (26 mm): e.g. VW Golf · Bora · Beetle · Lupo · Passat · Touran · T4 · AUDI A2
 - TYPE B (18 mm): Bora · Golf · Passat · Sharan · Touareg · Phaeton · T5
 - TYPE C (43 mm): 8 and 12-cylinder engines such as Phaeton, among others
 - TYPE D (35 mm): Direct injection engine VW Golf · Touran · Passat and Eos as well as AUDI A4 and A6



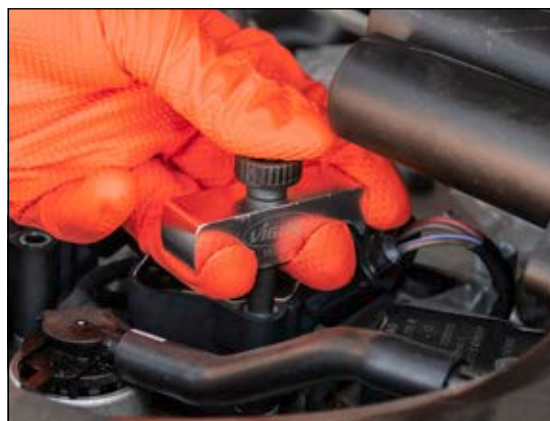
V6740, EAN 4047728**077774**

Extractor set for ignition coils · VAG

- Safe and damage-free removal of ignition coils with final output stage according to manufacturer's specifications, e.g. on 1.0 l / 1.0 l TSI / TFSI / TGI / GTI / CNG · 1.0 l · 1.0 l TSI · TFSI · TGI · GTI · CNG · 1.2 l TSI · 1.4 l · 25 · 30 · 35 · 40 · 45 TSI · TFSI · TGI · CNG · GTE · Mild Hybrid · e-Hybrid · 1.6 l · 1.6 l SRE · MPI 2.0 l GTI
- Engines among others installed in the following models:
 - AUDI A1 · A3 · A4 · A5 · Q2 · Q3
 - SEAT Alhambra · Arona · Ateca · Cupra Formentor · Ibiza · León · Mii · Tarraco · Toledo
 - ŠKODA Citigo · Fabia · Kamiq · Karoq · Kodiaq · Octavia · Rapid · Scala · Super · Yeti
 - VW Arteon · Beetle · Caddy · Golf 6-8 · Jetta 4-7 · CC · Passat B8 · Polo 5-6 · Scirocco · Sharan · T7 · Taigo · Tiguan · Touran · T-Cross · T-Roc · Up!
- Removal of both ignition coil versions possible:
 - 04C.905.110.J model year →2017
 - 04E.905.110.K model year 2017→



NEW



V3381, EAN 4047728**033817**

Hose clamp set

- For hoses with Ø up to 45 mm



V3571, EAN 4047728**035712**

V-ribbed belt tool

- Fibre-glass reinforced nylon
- Most easy-to-use tool on the market
- No adjustment necessary
- For all flexible belts: air-conditioning systems, generators, and single/double pulleys



Installation

Removal



V1963N, EAN 4047728060097

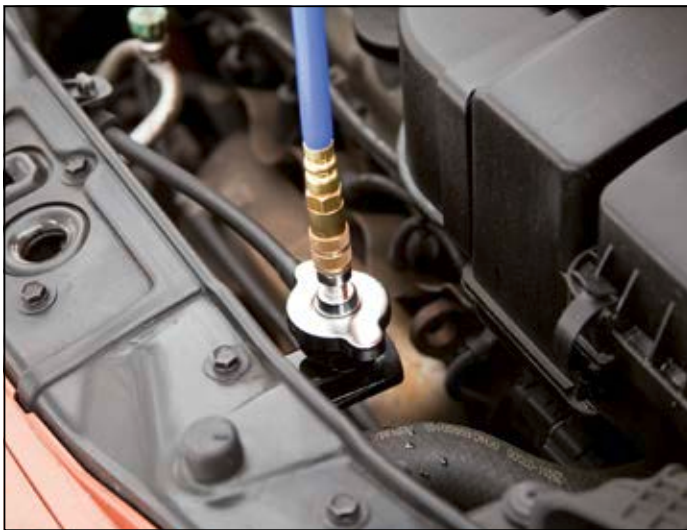
Cooling system diagnosis set

- Passenger car diagnostics
- Complete set for service work on cooling and heating system
- Comprehensive range of adapters, for vehicles with water-cooled engines
- 3 features: pressure test (check for leaks in radiator system) · filling · cleaning
- Control of pressure loss via manometer
- Filling creates a vacuum in the radiator system (Advantage: coolant is sucked in without air bubbles)
- Enables refilling of even large engines without thermal influences
- Universal usage due to conical rubber radiator adapter
- Measuring range: 0 – 2.5 bar
- Including 90° adapter for hard-to-reach places



Greatest market coverage, 29 pieces





VIGOR No.	Designation	Design	EAN 4047728+
V1963-1	Filling hose cooling fluid with connection		053228
V1963-3	Test adapter black R123 · R124		053242
V1963-4	Test adapter blue R123 · R125		053259
V1963-5	Bayonet adapter · Ø 38 mm		053266
V1963-6	Bayonet adapter · Ø 42 mm		053273
V1963-7	Bayonet adapter · Ø 50 mm		053280
V1963-8	Adapter · M 42x2.5		053297
V1963-9	Adapter · M 42x3.0		053303
V1963-10	Adapter · M 45x3.0, hollow		053310
V1963-11	Adapter · M 46x3.0		053327
V1963-12	Adapter · M 48x2.5		053334
V1963-13	Adapter · M 48x4.0		053341
V1963-14	Adapter · M 50x2.5		053358
V1963-15	Adapter · M 50x2.5, hollow		053365

VIGOR No.	Designation	Design	EAN 4047728+
V1963-16	Adapter · M 50x3.0		053372
V1963-17	Adapter · M 52x3.0		053389
V1963-18	Adapter · M 60x4.0		053396
V1963-19	Adapter · M 34x3.0		053402
V1963-20	Adapter · M 58x3.0		053419
V1963-21	Adapter · M 62x3.0		053426
V1963-22	Thermometer		053433
V1963-23	Adapter · M 45x3.0		060103
V1963-24	Adapter 90°		060110
V1963-25	Universal adapter / tapered head		060127
V4257	Cooling system screw adapter · M 45x3.0 mm		042574
V4202	Vacuum filling unit		042024
V4258	Cooling system screw adapter · M 52.5x3.0 mm		042581
V3729	Hand pump with manometer		037297



V5660, EAN 4047728056601

Coupling element from 4.4 mm to 7.2 mm

- Adaptation of hand pump V3729 with products from other manufacturers, e.g. Klann adapters / systems (4.4 mm to 7.2 mm)



V5922, EAN 4047728059220

Coupling element from 7.2 mm to 4.4 mm

- Adaptation of VIGOR cooling system adapter with e.g. Klann hand pumps / systems (7.2 mm to 4.4 mm)



V2459N, EAN 4047728075541

Refractometer

- Fast, precise control of the anti-freeze concentration on coolant and screenwash as well as for checking the battery acid density and AdBlue
- Eyepiece with adjustable focus, equipped with rubber cup
- Left scale: battery acid density measuring range 1100 – 1400 sg / resolution 0.01 sg
- Middle scale: antifreeze based on propylene glycol G 13, measuring range 0°C to -50°C / resolution 5° C, and antifreeze based on ethylene glycol G 11/G 12, measuring range 0°C to -50°C / resolution 5°C
- Upper right scale: AdBlue (VRA) urea concentration, measuring range 30% – 35% / resolution 0.1%
- Lower right scale: screenwash antifreeze SRF 1, measuring range 10°C to -40°C / resolution 1°C
- Plastic case with soft foam insert
- Contents:
 - 1 x refractometer
 - 1 x pipette

Application e.g. for coolant, screenwash, battery fluid and AdBlue



Turbo system diagnostics



V4192, EAN 4047728**041928**

Turbo system pressure tester set for click systems

- Quick diagnosis of charging air systems in new generations of vehicles in which air pipes are connected with click systems
- Performing leak tests using noise generation, leak detector spray or pressure drop
- Contents: 6 plug pairs 31 · 38 · 46 · 51 · 56 · 61 mm



Enables time saving and appropriate determination of leaking charging air hoses



Without manometer



V4233, EAN 4047728**042338**

Manometer for turbo system pressure tester set

For V3595 · V4192 and V4331



V4304, EAN 4047728043045

Turbo system pressure tester set for motor vehicles

- Fast diagnostics of the charging air system
- Proper, time-saving identification of leaky charge-air coolers and invisible cracks in charging air hoses
- Contents:
 - 1 pressure hose with manometer and equalization valve
 - 6 pairs of stepped adapters:
 - 31/38 · 46/51 · 55/60 · 65/70 · 75/80 · 85/90 mm



Including manometer



V4305, EAN 4047728043052

Adapter 31/38 mm

- Use with manometer V4233 for testing the turbo system
- For example as an extension to the turbo system pressure tester set V3595



V4306, EAN 4047728043069

Adapter 46/51 mm

- Use with manometer V4233 for testing the turbo system
- For example as an extension to the turbo system pressure tester set V3595



Compression and pressure loss testers



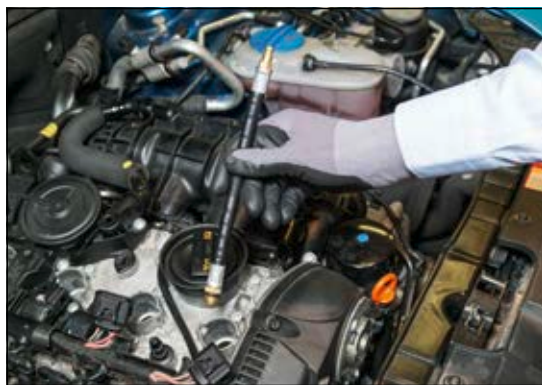
V4461, EAN 4047728**044615**

Compression and pressure loss tester set

- Professional testing of compression and pressure loss for the engines of most of passenger cars, trucks, motorcycles, buses, agricultural vehicles and boats as well as Hdi, TDCi and pump injector engines
- For diesel and petrol engines
- Contains glow plug adapter for e.g.: ALFA ROMEO · BMW · CHRYSLER · DAEWOO · FIAT · FORD · HYUNDAI · ISUZU · LAND ROVER · MAZDA · MERCEDES-BENZ · MITSUBISHI · NISSAN · OPEL · PSA · RENAULT · SAAB · SUZUKI · TOYOTA · VAG · VAUXHALL · Volvo · etc.
- Glow plug adapter M 10 · M 12 · M 14 · M 18
- Compression pressure gauge maximum 50 bar
- Quick coupler in straight and angled design
- Injector nozzle adapter M 20 · M 22 · M 24 and for FORD Standadyne injectors



For diesel and petrol engines



V4325, EAN 4047728**043250**

Vacuum and pressure pump set

- Testing pressure and underpressure systems
- Charging pressure
- Vacuum solenoids
- MAP sensors
- Tank aerations
- Brake line systems
- Including extensive assortment of adapters



*Also suitable for
brake line systems*



Hose length: 630 m



Robust metal design



Filling capacity:
120 ml

Display range: -1 to 4 bar
Underpressure indicator range: from -1 to 0 bar
Maximum pressure: up to 3 bar
Maximum underpressure: up to 0.7 bar



Injector sealing seat cleaning set



V4941N, EAN 4047728**077293**

Injector sealing seat cleaning set

- Eliminating soot residues, particles on HDI, diesel direct injection and common rail engines with Bosch and Delphi injectors
- Including sealing plug for protection against combustion chamber contamination
- Centring crowns for accurate guiding



NEW

Proper cleaning of the injector sealing seat, injector tip and pintle opening



VIGOR No.	Designation	Design	EAN 4047728+
V4941N-1	Sealing ring spreader		077415
V4941N-2	Reamer		077422
V4941N-3	Cutting head · long · Knurled handle		077439
V4941N-4	Flexible adapter		077446
V4941N-5	Cutter head holder · short		077453
V4941N-M5	Protection caps M5x0.8x15 mm		077460
V4941N-BL	Brush · long		077576
V4941N-BK	Brush · short		077569
V4941N-19T	Hexagon · T handle, 19 mm		077521
V4941N-10	M5 protective cap holder		077477
V4941N-11	Cleaning brush holder		077514
V4941N-245	Adapter		077552
V4941N-20	Adapter		077538
V4941N-22	Adapter		077545
V4941N-R1	Cutting head 120 degrees		077583
V4941N-R2	Cutting head 90 degrees		077590

VIGOR No.	Designation	Design	EAN 4047728+
V4941N-R3	Cutting head 90 degrees		077606
V4941N-R4	Cutting head 90 degrees		077613
V4941N-R5	Cutting head 120 degrees		077620
V4941N-R6	Cutting head 90 degrees		077637
V4941N-R7	Cutting head 120 degrees		077644
V4941N-R8	Cutting head 90 degrees		077651
V4941N-R9	Cutting head 90 degrees		077668
V4941N-R10	Cutting head 90 degrees		077675
V4941N-R11	Cutting head 90 degrees		077682
V4941N-R12	Cutting head 120 degrees		077699
V4941N-R13	Cutting head 90 degrees		077705

