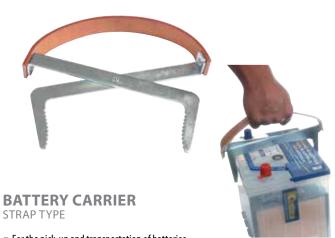


ELECTRICAL & IGNITION

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BATTERY



- For the pick-up and transportation of batteries
- Designed to transfer lifting force to ensure a secure hold on the battery
- Scissor lock type jaws with serrated teeth ensure a positive grip on the side of the battery
- Reinforced, acid resistant and non-conductive vinyl strap
- Zinc plated carbon steel frames
- Fully adjustable for battery size

303180

■ Suitable for most top and side terminal batteries

Jaw Opening (Max)

175mm



BATTERY CARRIER FIXED HANDLE TYPE

- For the pick-up and transportation of batteries
- Tubular steel handle with ergonomic grip enables fast and safe handling of batteries
- Acid resistant serrated grip pads and non-slip ribbed vinyl handle ensure secure grip and firm hold
- Carrying arm extends to a maximum of 195mm via ratcheting tooth adjuster
- Fully adjustable zinc plated steel frames
- Suitable for most top and side terminal batteries

	1
BATTERY HYDROMETER Professional use hydrometer which takes ambient	

20kg

temperature into account when assessing specific

gravity readings

- Built-in thermometer and float gauge compensates for temperature variations to provide more accurate reading of battery fluid condition and its state of charge
- Graduated scale on in-built meter advises the operator to add or subtract certain values above or beyond 26.6°C (80°F)
- Glass tube construction with acid resistant rubber moulded housing
- Determines specific gravity from 1.100 1.300

Part No.	Range	Overall Length
303183	1.100 to 1.300	340mm





- Handy cleaning tools for battery maintenance
- Ideal for removing build-up of corrosion and rust
- Suitable for all applications including automotive, trucks, motorcycles, plant equipment etc.

Part No.	Description
303004	Double sided brass cleaning brush with 5/16" hex
303178	Battery post & terminal cleaner - 3 way
303177	Battery post & terminal cleaner - stainless steel

BATTERY



BATTERY TERMINAL RATCHET WRENCH

- Terminal bolt ratchet wrench
- Designed for use on 5/16" battery terminal bolts

Part No.	Size	Overall Length
303001	5/16" (8mm)	140mm



BATTERY TERMINAL SPREADING PLIERS

- For efficient cleaning and spreading of battery cable terminals and clamps
- Sharp teeth effectively clean corrosion from terminal
- Reinforced hardened jaws to avoid breakage

Part No.	Jaw Opening	Overall Length
303179	16 - 19mm	160mm



BATTERY TERMINAL PULLER

- For the removal of battery terminals, small gears, pulleys and bearings on electric motors
- Suitable for removing battery terminal clamps, including corroded spring type, without damaging the battery post

Part No.	Spread	Reach
303175	33mm	25mm

BATTERY & ALTERNATOR TESTER

- For testing battery condition and alternator charging voltage (13–14V)
- LED lights indicate battery and alternator charging voltage conditions
- For use on 12V vehicle applications only
- Plastic casing with magnet on reverse side for easy attachment and storage

Part No.	Range
302147	Battery: 5–12.5V / Alternator: 13-14V



CIRCUIT TESTING









POLARITY TESTER CORDLESS

- Professional cordless circuit testing tool designed to test polarity on any DC electrical circuits from 6–28V
- Computer safe, ideal for use around ECM's, sensors, air bags, transducers etc.

Part No.	Voltage	Overall Length
302146	6 - 28V (DC)	115mm

WIRE PIERCING GUIDE

- Specially for use in testing/piercing insulated wire
- Three wire locators, suitable for 1—4mm insulated wire

Part No.	Jaw Opening	Application Range	Overall Length
302003	16 - 19mm	1 - 4mm	160mm



CIRCUIT TESTING





STANDARD

- Circuit tools for testing low voltage DC electrical currents
- High impact resistant transparent body with steel probe (302148 steel body)
- Crocodile clip
- Replaceable bulb (not available through Toledo)





Part No.	Description	Probe Length	Lead Length
302145	Standard circuit tester, retractable coil 6-24V (DC)	80mm	700 - 2500mm
302001	Extra-long circuit tester, retractable coil 6-24V (DC)	170mm	1000 - 3000mm
302144	Heavy duty circuit tester 6-24V (DC)	100mm	1500mm
302148	Metal body circuit tester 4-24V (DC)	12mm	185mm



CONTINUITY TESTER

- For the detection of open circuits in fuses, diodes, switches, sockets and wires
- Handy time saving tool suitable for all automotive electrical work on 6, 12 and 24 volt systems
- High impact transparent acetate handle with replaceable bulb (not available through Toledo)





WIRE TERMINAL SET

- Designed for easy and efficient removal of wires from connectors while eliminating any wire or connector damage
- Rectangular blades for pack-com terminals, flat blade to open connectors, fork for ALDL connector
- Prongs depress the "barbs" on conventional terminals
- Universal design suitable for most common vehicles

Part No.	Prongs	Pieces
302027	6 per tool	2



CIRCUIT TESTING



- Computer safe LED testing tool is ideal for use on circuits where sensitive testing is required
- Suitable for testing injector pulse, automotive computer circuits and all primary automotive electrical circuits
- High impedance protects computer
- Impact resistant transparent acetate handle, stainless steel probe, LED polarity indicator, long lead and crocodile clip

Part No.	Voltage	Probe Length	Lead Length
302014	3 - 12V (DC)	75mm	1200mm



CIRCUIT TESTERS DIGITAL LCD

- Circuit testers for the trade professional with digital LCD display read out
- In-built LCD display within transparent shock proof plastic body
- Provides accurate voltage values to one decimal place
- Heavy duty flexible spring cord 700-3000mm

Part No.	Voltage	Resolution	Probe Length	Overall Length
302191	6 - 24V (DC)	0.1V (DC)	90mm	210mm
302192	12 - 48V (DC)	0.1V (DC)	90mm	210mm

SOLDERING









DE-SOLDERING TOOL (SOLDER SUCKER)

- For the safe and easy removal of molten solder during soldering repair work
- Spring loaded action efficiently removes solder with powerful vacuum force
- Hold pump over molten solder and press release button to effectively suck up the targeted solder. The solder will enter the chamber and immediately be cooled and hardened for removal and disposal
- ESD safe conductive metal housing and Teflon nozzle
- Ideal for circuit boards
- Spares: Replacement nozzle set 5pc (Part No. 302121A)

Part No.	Overall Length x Diameter	Spares
302121	190 x Ø 20mm	302121A

SOLDERING AID TOOL PLIER STYLE

- Assists by holding wires together to enable them to be soldered together
- Insulated PVC dipped handles with click type lever for opening and closing jaws
- Simple to use insert wires under holding clips and manoeuvre together until correct distance is achieved for soldering

Part No.	Jaw Opening	Overall Length
302120	10 - 62mm	250mm



SOLDERING



- heavy duty applications

 Robust Bakelite handle for strength and durability
- Ergonomic design with rubber grip handle which is comfortable, non-conductive and heat resistant
- Nichrome with sheet mica covered elements and long life tip
- Includes bench mounting metal stand for safe storage of iron while not in use
- Supplied with user guide detailing correct operation, proper care and maintenance
- SAA approved range is extensively tested
- Spares: Three piece tip sets include a standard tip, straight flat tip and 45° angled flat tip



Part No.	Description	Voltage	Heat Range	Tip Set Part No.	Image (Tip Set)
302100	Soldering iron 25W	240V AC	390-420°C	302100A	
302101	Soldering iron 40W	240V AC	450-480°C	302100A	115
302102	Soldering iron 60W	240V AC	460-500°C	302102A	
302103	Soldering iron 80W	240V AC	500-550°C	302103A	
302104	Soldering iron 100W	240V AC	500-550°C	302104A	
302110	Soldering iron 30W	12V DC	420-450°C	302100A	

MERCHANDISER - SOLDERING IRONS15 PIECE

- In store wall mount merchandiser provides a compact point of sale solution for soldering products
- Metal powder coated display rack
- Suits most common in store displays including pegboard and slat wall

Part No.	Contents	Description	Qty
NTMS01	302101	40 Watts (240V AC)	3
	302103	80 Watts (240V AC)	3
	302104	100 Watts (240V AC)	3
	302110	30 Watts (12V DC)	3
	302121	Desolder pump/solder sucker	3

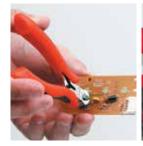




ELECTRONICS CUTTERS

MINI

- Mini electronics cutters for small and delicate jobs
- Hardened precision cutting edges for cutting and twisting soft wire
- Ergonomically designed with spring loaded jaws and durable rubber or PVC dipped handles
- Ideal for work with limited space and in confined areas, handling small objects, components and wires
- Not suitable for live electrical work







Part No.	Description	Handles	Cut Type	Jaw Opening (Max)	Jaw Length	Overall Length
EEC110	Mini electronics end cutter	Rubber moulded	Bevel	9mm	13mm	110mm
302041	Mini electronics end cutter	Rubber moulded	Flush	9mm	13mm	125mm
321006	Mini electronics precision cutter/Oblique end cutter	Rubber/Plastic moulded	Flush	15mm	11mm	135mm
PC6	Precision cutter	PVC dipped	Flush	20mm	20mm	150mm

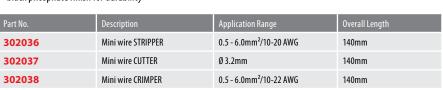


ELECTRICAL MINI SERIES

- Handy pocket sized range of electrical tools including a crimper, cutter and stripper
- Ideal size for mobile use and accessing hard to reach applications
- CNC machined blades are precision ground
- Ergonomic PVC dipped handles
- Manufactured from durable SK5 carbon steel with black phosphate finish for durability









CRIMPERHEAVY DUTY CABLE LUG

- Professional heavy duty hand crimper for cable lugs
- One stroke operation provides complete single crimp
- Easy sized adjustment using screw function
- Heat treated components for extra strength and durability

Part No.	Crimp Range	Overall Length
302024	10 - 120mm ²	650mm







CUTTER & STRIPPER CABLE

- Cable cutter and stripper with adjustable stripping knife in handle for longitudinal stripping
- Curved blade and dual ground cutting blades
- SK5 carbon steel stripping knife in handle with adjustable knob for depth enables removal of insulation longitudinally without damaging the cables



- Composite rubber and plastic handle provides comfort during extended use
- Manufactured from high grade carbon steel with black phosphate finish and SK5 steel blade in handle

Part No.	Stripping Range	Cutting Capacity (Max)	Overall Length
302035	0.5, 1.0, 1.5, 2.5, 4.0, 6.0mm ²	11mm	160mm

CUTTER & STRIPPER

WIRE RAPID ACTION

- Designed for ultimate efficiency in wire cutting and stripping
- Self-adjusting hardened steel stripping blade that automatically selects the proper position
- Narrow reinforced fibreglass and nylon construction ensures long service life and easy access into confined spaces



Suitable for solid or stranded wires

Part No.	Stripping Range	Cutting Range	Overall Length
302039	0.2 - 6.0mm ² /10 to 24 AWG	2.0mm ² /14 AWG	190mm



ELECTRONICS PLIERS

- Mini electronics pliers for small and delicate jobs
- Ergonomically designed with spring loaded jaws and durable rubber handles
- Ideal for work with limited space and in confined areas, handling small objects, components and wires
- Not suitable for live electrical work



Part No.	Description	Handles	Jaw Opening (Max)	Overall Length
EBN130	Mini long nose - angled tip 45°	Rubber dipped	26mm	130mm
302042	Mini long nose - angled tip 45°	Rubber moulded	26mm	150mm



CUTTER & STRIPPER WIRE QUICK ACTION

- Quick-Action stripping tool designed to remove the insulation in one single motion without damaging the wire
- Unique clamp design holds wire in place while the lever action strips away the insulation
- Composite rubber and plastic handle provides comfort during extended use
- Zinc alloy die cast stripping head and S45C carbon steel body for maximum service life
- SK5 stripping and cutting blades ensure smooth operation every use

Part No.	Stripping Range	Cutting Range	Overall Length
302040	0.5 - 8.0mm ²	6mm ² /10 AWG	170mm





CRIMPERS

RATCHETING

- Heavy duty ratcheting crimpers for fast, efficient and professional crimp work
- Designed to achieve correct compression and superior electrical connection
- Manufactured from durable alloy steel with black phosphate finish for strength and durability







Part No.	Description	Handle	Crimp Range	Overall Length
302021	Plier style ratcheting crimper for insulated terminals	Plastic moulded	0.5 – 1.0mm²(Red), 1.5 – 2.5mm²(Blue), 4 – 6mm²(Yellow) - 22 – 18, 16 – 14, 12 – 10 (AWG)	220mm
302023	Plier style ratcheting crimper	Plastic moulded	10mm² (8 B&S) , 16mm² (6 B&S) , 25mm² (3 B&S)	200mm
CT16	High leverage ratcheting crimper	PVC dipped	1–2mm², 6mm², 10mm² (8 B&S) , 16mm² (6 B&S)	280mm
302020	High leverage ratcheting crimper	Rubber moulded	10mm² (8 B&S) , 16mm² (6 B&S) , 25mm² (3 B&S) , 35mm² (2 B&S)	325mm





CRIMPER, CUTTER & STRIPPER 7 FUNCTION TOOL

- Multi-function tool handy for DIY use, covering a range of jobs and applications
- Manufactured from durable alloy steel with black phosphate finish for strength and durability
- PVC dipped handles with black phosphate finished alloy steel main body

Part No.	Overall Length
302155	210mm
Application	Size
Crimper	Insulated & non-insulated terminals
Crimper	Auto crimp 7-8mm
Screw cutter	Machine screw sizes 4 – 40, 5 – 40, 6 – 32, 8 – 32, 10 – 24 & 10 – 32
Wire stripper	10 – 22 AWG/0.6 – 2.6mm ²
Long nose pliers	-
Side cutter	-
Wire cutter	_

CRIMPER, CUTTER & STRIPPER

- Multi-application tool for wire cutting, crimping insulated and non-insulated terminals, screw cutting and wire stripping
- Clearly marked applications on main body to assist in operation
- Ergonomically designed PVC moulded handles
- Manufactured from durable alloy steel with black phosphate finish for strength and durability

Part No.	Overall Length
CT2010	240mm
Application	Size
Insulated crimping range	1.5mm ² (Red), 2.0mm ² (Blue), 6.0mm ² (Yellow)
Non-insulated crimping range	1.5mm ² , 2.5mm ² , 4.0mm ² , 6.0mm ²
Wire stripping range	0.75mm², 1.0mm², 2.5mm², 4.0mm², 6.0mm²
Screw cutting range	2.6mm, 3.0mm, 3.5mm, 4.0mm, 5.0mm



CRIMPING KIT

RATCHETING INTERCHANGEABLE MULTI-HEAD

- Multi-head crimping kit with seven interchangeable jaws to suit different applications
- Ratchet crimping tool design with quick release, for high leverage superior terminal crimp work
- Heavy duty construction with hardened steel body and comfort rubber grip handles
- Supplied in custom moulded plastic hard case with jaw identification markings









Description	Size	lmage
Multi-head ratcheting crimper	Overall Length: 220mm Weight: 258g	
Die A: Insulated terminals	22 – 18/16 – 14/12 – 10 (AWG) 0.5 – 1/1.5 – 2.5/4 – 6 (mm²)	
Die B: Non-insulated terminals	20 – 18/16 – 14/12 – 10/8 (AWG) 1.5/2.5/6/10 (mm²)	9
Die C: Open barrel terminals	20 – 18/16 – 14/12 – 10 (AWG) 0.5 – 1/1.5 – 2.5/4 – 6 (mm²)	Carrie Carrie

Description	Size	lmage
Die D: Cord end terminals (Small AWG)	22/20/18/16/14/12 (AWG) 0.5/0.75/1/1.5/2.5/4 (mm²)	-
Die E: RG type coaxial cable connectors	0.255/0.213/0.100/0.068/0.324 (inch) 6.48/5.41/2.54/1.73/8.23 (mm²) 58, 59, 62, 6 (RG)	6
Die F: Cord end terminal (Large AWG)	10/8/6 (AWG) 6/10/16 (mm²)	
Die H: Open barrel terminal & D-Sub, V3.5	14/22/8 – 6 (AWG) 2.5/0.5/8/10 (mm ²⁾	- Siller

CRIMPERS

D-SUB DEUTSCH 4 WAY INDENT

- Specialty crimpers for round barrel contacts, pins or sockets
- Built in locator ensures accurate positioning of the pin and socket prior to crimping
- Full cycle ratchet ensures consistent, reliable crimping action
- Superior pull strength with an adjustable pin height locator
- PVC dipped handles with black phosphate finished alloy steel main body
- Particularly common and useful in Harley Davidson and Caterpillar applications



Part No.	Description	Size	Overall Length
321024	D-Sub Deutsch 4 way indent crimper	AWG 26 - 20, 0.14 - 0.5 mm ² , RS232 D-sub 35 - 465	160mm
321025	D-Sub Deutsch 4 way indent crimper	AWG 20 - 12, 0.5 - 4.0 mm², Deutsch 16 pin contact	160mm

CRIMPER, CUTTER & STRIPPER

- Most popular in the range
- Simple, efficient and reliable units produce professional work
- Dual component plastic and rubber moulded ergonomic handles provide maximum strength, comfort and grip
- Manufactured from alloy steel with black phosphate finish for strength and durability
- Two options available standard and heavy duty
- Part no. WS665 is designed for more intense and demanding use with a more robust design and dual spring head to ensure longevity and reliability
- Spares: Replacement spring set 4pc (Part No. WS665A)





















Part No.	Description	Overall Length
WS210	Crimper, cutter, stripper - standard	210mm
Application	Sizing	Spares
Wire stripper	0.2 - 6mm ² /24 - 10 AWG	
Insulated terminals	0.5 - 6mm ² /22 - 10 AWG	WS665A
Non-insulated terminals	0.5 - 2.5mm ² and 4 - 6mm ² /12 - 10, 22 - 14 AWG	
Auto ignition terminals	7 - 8mm	

Part No.	Description	Overall Length
WS665	Crimper, cutter, stripper - heavy duty	210mm
Application	Sizing	Spares
Wire Stripper	0.2 - 6mm ² /24 - 10 AWG	WS665A
Insulated terminals	0.5 - 6mm ² /22 - 10 AWG	
Non-insulated terminals	0.5 - 2.5mm² and 4 - 6mm²/12 - 10, 22 - 14 AWG	
Auto ignition terminals	7 - 8mm	

CABLE TIE CUTTERS

PLASTIC & METAL

- Automatic tensions and cuts off cable ties to produce a safe, neat and professional finish
- Two options to cater for both plastic/nylon and metal cable ties







Part No.	Description	Cutting Capacity (Width x Thickness)	Overall Length x Width
302500	Cable tie cutter - Plastic	5 x 2mm	160 x 20mm
CTC2065	Cable tie cutter - Metal (including S/S)	12 x 0.3mm	220 x 100mm

INTERIOR & DASHBOARD



AIR BAG REMOVAL KIT

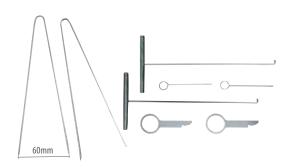
EUROPEAN

- Workshop airbag removal kit suitable for many makes and models, but in particular European models
- Refer to workshop manual for tool requirements and specifications





Part No.	Description	Application	Qty	Code
313026 Airbag removal tools		Volkswagen Passat, Polo, Golf, Bora (late model) Audi A4 and A6	2	1
		Volkswagen Golf, Beetle (late model) Seat	2	2
		Volkswagen Golf (1998-2004), Passat (1997), Bora (1999)	1	3
		Volkswagen Passat 2000	1	4
		Volkswagen Passat, Jetta, Golf and Beetle (1999-2004)	1	5
	1/4" Sq. Dr. sockets	6 point T25 BMW	1	6
		6 point T30 Audi, GM, Renault, Volkswagen	1	6
		6 point tamperproof T25H BMW	1	6
		6 point tamperproof T30H Audi, BMW, Mercedes-Benz, GM	1	6
		Hex 5mm Audi	1	6



DASHBOARD SERVICE KIT

MERCEDES-BENZ

- Range of specialty tools designed for dashboard and auxiliary service work
- Ideal for removal and service work of meters, gauges, radios, locks and accessories
- Covers most Mercedes-Benz applications



Part No.	Description	Application	
302153	Ignition lock removal tool	W124, W201	
	Radio removal tools	MB vehicles 1992 onwards	
	Instrument cluster removal hooks	W107, W116, W123, W124, W126, W140, W201	



RADIO REMOVAL SET

EUROPEAN

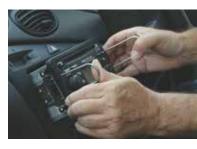
- Specialty tool for radio removal and service work on European makes and models
- Handy and compact set of pocket sized tools supplied in tailored tool roll



Part No.	Description	Application	Size	Length	Qty
302178	U-Hooks	Ford/VW/Audi	3.2mm (Ø)	85mm	2
	Hex tip	BMW	2.3mm (hex)	85mm	1
	Key blade	New Beetle/Audi	9mm (width)	77mm	2
	Key blade	Mercedes-Benz	9mm (width)	67mm	2
	Key blade	VW	9mm (width)	61mm	2

INTERIOR & DASHBOARD





RADIO REMOVAL & DASHBOARD SERVICE MASTER KIT

- Master specialty kit covers majority of Australian and New Zealand carparc
- Supplied in custom moulded plastic hard case with tool identification markings
- Vehicle application listing included
- Contains 52 pieces

Part No.	Description	Qty	Description	Qty	Description	Qty
302017	No. 1 Keys	4	Long V-Hooks	2	E-4 Keys (Sony up to 2001)	2
	No. 2 Keys	2	Small Pin Keys	2	E-5 Keys (Panasonic)	2
	No. 3 Keys	2	U-Hooks	2	E-6 Keys (Panasonic up to 2006)	2
	No. 4 Keys	2	Pioneer & JVC Keys	2	E-7 Keys (Kenwood up to 1998	2
	No. 5 Keys	2	BMW Pentagon Keys	1	E-8L Keys (Kenwood Mask)	2
	Double DIN Keys	2	Flat keys	2	E-9 Keys (Clarion late model)	2
	Allen keys	1	E-1 Keys (kenwood 98-01)	2	E-10 Keys (Clarion Double DIN)	2
	Bent U-Hooks	2	E-2 Keys (Sony up to 2002)	2	E-15 Keys (Sony up to 2005)	2
	T-Bar Hooks	2	E-3 Keys (Kenwood up to 2002)	2		



IGNITION LOCK RELEASE TOOL

BMW & MINI

- A must have tool for any workshop carrying out BMW and MINI work
- Insert tool into the small hole on the lock cylinder.
 This will release the spring loaded lock and allow removal of the cylinder
- Plastic handle and angled metal prong for easy release

Part No.	Overall Length
302030	108mm



RADIO REMOVAL SET U-HOOKS

- Common radio removal tools consisting of two simple U-hooks for proper and efficient radio removal on popular vehicles
- Easy to use simply insert U-hooks (2.5mm) into holes of radio face plate to release retaining clips, once retaining clips have been released, pull out the instrument panel using the U-hooks as handles

Part No.	Pin Distance x Pin Diameter
302156	35mm x 2.5mm



AERIAL/ANTENNA REMOVAL TOOL

- For the efficient, safe and damage free removal of aerials and antennas
- Tool removes the bezel that holds the antenna in place
- Suitable for most vehicles in the Australian carparc

Part No.	Overall Length
302175	185mm



MEMORY RETAINING TOOL

- Memory retaining tool stores settings of radios, clocks and computer functions when vehicle battery is disconnected
- Used in conjunction with a standard 9V battery, produces enough charge to satisfy the relative components
- Easy to use simply attach 9 volt battery and plug tool into 12V/cigarette lighter port to create charge

Part No.	Memory	Battery
302154	Up to 4 hours	9 volt



IGNITION





UNIVERSAL ■ Comprehensive set of tools for alternator service work

- Enables efficient removal of "over running" alternator pulleys either ON or OFF the vehicle
- Specialty tools lock the alternator shaft into position while pulley retainer is removed
- Supplied in custom moulded plastic hard case

ALTERNATOR BIT SET







Hex Bit Torx Bit (6-Point) (6-Point star) Spline Bit

Part No.	Description	Specifications	Description	Specifications
302005	Alternator nut	4-point & 17mm hex tip	Hex alternator nut	33 tooth x 22mm
	Alternator combination bit socket	1/2" Sq. Dr. M10 (Spline 12 point) x 113mm	Hex bit adaptor	1/2" SQ. Dr. x 10mm
	Alternator combination bit socket	1/2" Sq. Dr. T50 (Torx 6 point) x 113mm	Torx bit	T40, T50
	Hex alternator nut	22mm	Spline bit	M8, M10
	Hex alternator nut	33 tooth x 17mm	Hex bit	8mm, 10mm









SPARK PLUG STARTER UNIVERSAL

- Specialty tool to assist with easy installation and removal of spark plugs
- Flexible rubber design improves access to applications with limited space and in difficult locations
- Designed to hold the spark plug firmly during use

Part No.	Overall Length
302157	200mm

SPARK PLUG GAP GAUGE METRIC & IMPERIAL

■ For setting accurate spark plug gaps with easy to read

- markings to set gaps quickly
- Tapered hole for adjustment of electrode
- Simple to use place spark plug onto the tapered gauge and turn until correct gap setting is obtained

Part No.	Specifications
302163	Metric: 0.5 - 2.5mm, Imperial: 0.020" - 0.100"

SPARK PLUG LEAD PLIERS EXTRA LONG 200MM

- For the removal and replacement of recessed spark plug leads or deep seated spark plug boots
- Ergonomically designed and insulated rubber moulded handles are comfortable and firm gripping
- Manufactured from alloy steel

Part No.	Overall Length
302015	200mm

IGNITION



SPARK PLUG LEAD PLIERS HEAVY DUTY NYLON

 Safe and efficient removal of spark plugs by gripping the spark plug wire boot to prevent possible wire damage

Part No.	Jaw Opening (Max)	Overall Length
302161	15mm	155mm





SPARK PLUG BOOT PLIERS

 Insulated pliers to protect against high voltage shocks when removing spark plug boots

Part No.	Jaw Opening	Overall Length
302160	15 - 25mm	210mm



SPARK PLUG TESTER FIXED JAW

 Professional spark plug testers check for non-start conditions and spark strength by simulating spark plug under compression load

Note: Markings on 302165 are measurements of kilowatt from 2 - 4kV. This is relevant for when testing coils

Part No.	Range	Lead Length
302165	2 - 4kV	Fixed



SPARK PLUG TESTER FLEXIBLE LEAD

- Professional spark plug testers check for non-start conditions and spark strength by simulating spark
- Features large adjustment screw

Part No.	Range	Lead Length
302167	2 - 4kV	500mm



DISTRIBUTOR CLAMP WRENCH SET

OFFSET

 Specially designed wrenches with eccentric shape enable access to hard to reach areas around the distributor

Part No.	Size
302173	1/2" & 9/16"



SPARK PLUG THREAD CHASER

 Tapered, double ended thread chaser to dress or repair 14mm and 18mm spark plug thread

Part No.	Sizes	Overall Length
302168	M14 x 1.25mm & M18 x 1.5mm	75mm



MULTI-PURPOSE ELECTRICAL FILE

■ Ideal for ignition points and electrode cleaning

Part No.	Width	Thickness	Overall Length
301069	8mm	1.2mm	80mm



 Specialty tool designed for proper maintenance and handling of automotive bulbs and fuses

BULB PLIERS

Part No.	Jaw Opening (Max)	Overall Length
302022	30mm	160mm



IGNITION



IGNITION TESTER IN-LINE HT LEAD/INDUCTIVE PICK-UP

■ Inductive pick-up design to connect on to ignition (HT) lead to enable easy and safe ignition spark testing and problem diagnosis

Part No.	Probe Length	Lead Length
302166	100mm	1200mm



SPARK PLUG TESTER

IN-LINE HT

■ Spark plug tester tool designed to connect between spark plug and ignition (HT) lead to enable guick and easy ignition spark testing and problem diagnosis

Part No.	Lead Length	Weight
302026	110mm	63g



SPARK PLUG TESTER SET

IN-LINE HT

- Special four piece set designed to connect to spark plug and ignition (HT) lead
- Enables checking of cylinder firing sequence simultaneously

Part No.	Length	Pieces
302158	72mm	4





SPARK PLUG THREAD INSERT KITS

■ Spark plug thread insert kits for the repair and service of stripped spark plug holes in aluminium cylinder heads

Part No.	Size
302176	Tap 14mm, Inserts 10, 11, 13, 19mm
302300	Tap 18mm, Inserts 11, 13, 16, 21mm



SPARK PLUG SOCKETS

302225

302224

302222

302223

- For easy removal and installation of spark plugs in deep recesses with limited or difficult access including wider ceramic high performance type plugs
- Knurled barrel for non-slip grip and inbuilt heavy duty rubber spark plug retainer to hold plug in socket

Bi-hex 14mm short

Bi-hex 14mm long

Bi-hex 21mm long

Bi-hex 16mm (5/8") long



Bi-Hex Design provides increased strength compared to a traditional hex design, allowing for a more compact spark plug socket without compromising strength requirements.





Traditional Hex Design

3/8" x 21mm x 250mm

Square Drive x Size x Length
3/8" x 14mm x 90mm
3/8" x 14mm x 250mm
3/8" x 16mm x 250mm