

Auto Glass & Body Panel Removal System





BTB's versatile, precise, efficient and user friendly system safely removes any adhesive bonded auto glasses, body panels or decorative mouldings without damage to component or painted panel while avoiding operator injury.

This small, compact and powerful air tool operates blades to cut with precision from inside or outside of the vehicle, against the glass surface, or in the case of an encapsulated glass, the blades will safe

an encapsulated glass, the blades will safely cut away from the encapsulation and against the pinchweld or body panel.

Nylon control head & adjustable arms regulate cutting depth of all blades

> Short & fast in-line stroke of the BTB air tool gives unequalled, gentle & balanced cutting action



BTB has Registered and Pending Patents and/ or Designs Extending Worldwide applying to their Power Tools, Control System, and Cutting Blades.

Applications

AUTO GLASS REMOVAL



BTB Long blades easily cut urethane below any dashboard.



Cut from outside the vehicle with BTB's Powered Cold Knife blades.



Short blades cut from inside the vehicle with precise depth control.



For curved glasses, thin flexible blades follow the contour of the glass.



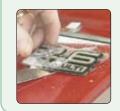
Excellent for removal of small and encapsulated glasses.

Save and reuse any undamaged glass or encapsulated glasses.

BODY PANEL & BADGE REMOVAL



Powerful tool & strong blades cut tough adhesive to remove bonded body panels.



Recycle adhesive & tape fitted badges, mouldings & bump strips.

BTB support its tool with a range of general-purpose and application-specific blades, sold separately or as part of a kit.

BUS, TRAIN & COMMERCIAL VEHICLE



Cut from inside or outside to reduce effort and removal times for large glasses.



Special blades remove backfill adhesive between glass edges and / or panels.



Safely remove adhesive bonded panels from buses and trains.



ASK FOR A COPY OF THE BTB REMOVAL SYSTEM CATALOGUE



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E-TOOL Auto Glass Technician Kit

ETK12TEC 11 BLADE E-TOOL™ **TECHNICIAN AUTO GLASS SPECIALIST KIT**

This comprehensive Mobile E-Tool™ kit designed for the professional auto glass technician contains a wider range of mostly serrated blades, preferred for their faster cut-out times. Includes adjustable cutting depth control arms. Safely remove any bonded glass from any vehicle!



KIT CONTENTS:

Tool: **Cutting Depth** *E-Tool™, 12V* **Control Arms: Battery in Carry** WK11AW,

Bag, Charger WK11BW5, WK11CW, **Blades:** WK11EW,

WK1-S, WK2-S, WK11FW WK4-S, WK4R-S,

Accessories: WK4Z-S, WK4ZVR-S. WK7, WK7L, WK24Z, WK24-S, WK8DSM, WK9, *WK27M*, WK28M, WK9B, WK11VEL, WK6-M WK20, WKGA

Packaging:

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

E-TOOL Auto Glass Classic Kit

ETK12CLS 7 BLADE E-TOOL™ CLASSIC **AUTO GLASS KIT**

This Mobile E-Tool™ kit contains an assortment of serrated & non-serrated blades and adjustable cutting depth control arms to easily remove modern vehicle glasses, including laminated & encapsulated style glasses.



KIT CONTENTS:

Cutting Depth Tool: **Control Arms:** E-Tool™, 12V Battery in WK11AW, WK11BW5, Carry Bag, WK11CW, WK11FW Charger **Accessories: Blades:**

WK7, WK8DSM, WK9, WK2-S, WK3, WK9B, WK11VEL, WK24Z-S, WK20, WKGA WK24ZR-S, Packaging:

WK27M, Sturdy Plastic Carry WK28M. WK6-M

Training Package:

Intro & Training DVD, User Manual

We have updated the selection of blades included in BTB's Air Tool and E-Tool™ kits to make them more user-friendly and appropriate for applications in today's vehicle market.







ETOOL Auto Glass Starter Kit

ETK12STR 4 BLADE E-TOOL™ STARTER INTRODUCTION KIT

This Mobile E-Tool™ kit is ideal for introducing mobile auto glass technicians to the BTB removal system. Contains a small selection of BTB's most used blades and adjustable cutting depth control arms for modern style vehicle glasses.



KIT CONTENTS:

Tool:

E-Tool™, 12V Battery in Carry Bag, Charger

Blades:

WK2-S, WK4Z-S, WK27M, WK28M

Cutting Depth Control Arms:

WK11BW5, WK11FW

Accessories :

WK7, WK8DSM, WK9, WK11VEL, WKGA

Packaging:

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

ETOOL Power Tool with Battery & Charger

ETK1205 E-TOOL™ WITH BATTERY IN CARRY BAG AND 240V SMART CHARGER

For current users who already have blades or a kit who would like to go mobile. This is a basic kit with tool, battery and charger to go mobile.



KIT CONTENTS:

NEW

Tool:

E-Tool™, 12V Battery in Carry Bag, Charger

Accessories:

WKGA

Training Package:

Intro & Training DVD, User Manual

TIP

Every E-Tool™ comes with a detailed 16 page user manual which provides guidelines, hints and tips for most cut-out and glass types.



Additional blades can be purchased separately and easily be added to any kit as required

NOTE!

O ETOOL Power Tool Only

ETS1200 E-TOOL™ PLUS WKGA TOOL ACCESSORY KIT





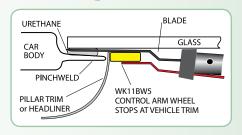
BLADE CUTTING DEPTH CONTROL ARMS

Smooth, precise cutting with BTB control arms.

- Gives the technician confidence in avoiding damage to painted pinchweld, encapsulated moulding, vehicle body and cutting blades.
- Provides precise, adjustable blade cutting depth control.
- Provides a smooth cut, with wheels rolling easily along all surfaces.
- Provides stability and support for ORANGE "R" reverse blades when safely removing encapsulated glasses as blade cuts adhesive from pinchweld / body panel.

Example WK11BW5 controller arm.







The full range and further details are available in the BTB Removal System catalogue or online at btbtools.com



Air Tool Auto Glass Starter Kit



WKSTR 4 BLADE STARTER KIT

This air tool kit is ideal for introducing workshop-based auto glass technicians to the BTB auto glass removal system. Contains a small selection of BTB's most used blades and adjustable cutting depth control arms for modern style vehicle glasses.



KIT CONTENTS:

Tool:

WK10HD Heavy Duty Air Tool

Blades:

WK2-S, WK4Z-S, WK27M, WK28M

Cutting Depth Control Arms:

WK11BW5, WK11FW

Accessories:

WK7. WK8DSM. WK9, WK11VEL, WKGA

Packaging:

Vinyl Tool Bag

Training Package:

Intro & Training DVD, User Manual

Air Tool Auto Glass Classic Kit

WKCLS-BX 7 BLADE **CLASSIC KIT**

This kit contains an assortment of serrated & non-serrated blades and adjustable cutting depth control arms to easily remove modern vehicle glasses, including laminated & encapsulated style glasses.



KIT CONTENTS:

Tool:

WK10HD Heavy Duty Air Tool

Blades:

WK2-S, WK3, WK24Z-S, WK24ZR-S. WK27M. WK28M, WK6-M

Cutting Depth Control Arms:

WK11AW. WK11BW5, WK11CW, WK11FW

Accessories:

WK7, WK8DSM.

WK9, WK9B, WK11VEL, WK20, WKGA

Packaging:

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

Cutting Depth

Control Arms:

WK11AW. WK11BW5.

WK11CW.

WK11EW.

WK11FW

Accessories:

WK8DSM, WK9,

WK20, WKGA

WK9B, WK11VEL,

WK7, WK7L.

Air Tool Auto Glass Technician Kit

WKTEC-BX 11 BLADE **TECHNICIAN** KIT

This comprehensive kit is designed for the professional auto glass technician and contains a wider range of mostly serrated blades, preferred for their faster cut-out times. Includes adjustable cutting depth control arms. Safely remove any bonded glass from any vehicle!



KIT CONTENTS:

Tool:

WK10HD Heavy Duty Air Tool

Blades:

WK1-S, WK2-S, WK4-S, WK4R-S, WK4Z-S, WK4ZVR-S, WK24Z, WK24-S, WK27M, WK28M,

Packaging:

WK6-M

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

Note

We have updated the selection of blades included in BTB's Air Tool and E-Tool™ kits to make them more user-friendly and appropriate for applications in today's vehicle market.



韶 See the tool in action at btbtools.com/VideoIntro





Body Shop Tradesman Kit

WKTDM-BX 13 BLADE TRADESMAN KIT

This professional body shop kit contains the most popular blades needed for the auto body repair industry, vehicle dealership workshop & automotive dismantler/recycler. Includes an assortment of non-serrated and serrated blades. Non-serrated blades can also safely remove decorative body mouldings, emblems and components bonded with urethane or double-sided



KIT CONTENTS:

Tool:

WK10HD Heavy Duty Air Tool

Blades:

WK1-S, WK4, WK4R-S, WK4Z-S, WK4ZR-S, WK24Z, WK24ZVR-S, WK24-S, WK27S, WK27M, WK28S,

Accessories:

WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Cutting Depth Control Arms:

WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Packaging:

WK28M, WK6-M

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

Bus, Truck & Rail Kit

tape without damage to moulding or painted panels.

WKBTR15-BX 15 BLADE BUS TRUCK & RAIL KIT

For the bus, truck, rail and commercial vehicle industries, this tool kit contains blades specifically suited to adhesive bonded glass and bonded panel removal on today's transport fleets. Includes external and internal cutting blades, as well as the WK5-S blade for backfill adhesive removal from between side glasses or between glass and panel. Adjustable cutting depth control arms regulate cutting depth.



KIT CONTENTS:

Tool:

WK10HD Heavy Duty Air Tool

Blades:

WK1-S, WK1X, WK2-S, WK4Z-S, WK4ZR-S, WK4-S, WK5-S, WK27S, WK27M, WK27L, WK28S, WK28M, WK28L, WK6-L, WK6-40

Accessories:

WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Cutting Depth Control Arms:

WK11BW5, WK11DW5, WK11EW

Packaging:

Sturdy Plastic Carry Box

Training Package:

Intro & Training DVD, User Manual

See the tool in action at btbtools.com/VideoIntro

Use WKBTR15-BX for Bus, Truck, Rail, Mining & Heavy Machinery Removal Applications









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WK6 Non-Scratch Pinchweld Trimming Kit

WK6-SET 4 BLADE PINCHWELD TRIMMING SET

Remove excess adhesive easily and safely with BTB's exclusive pinchweld trimming set.



Intelligent design features of these blades include:

A special wing on each side of the blade to eliminate scratching of paint including vertical pinchweld walls.

A special radiused grind which leaves the correct thickness of adhesive for re-bonding.

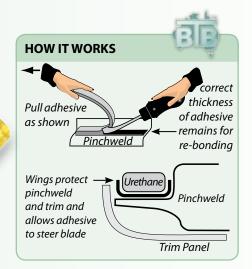
KIT CONTENTS:

Blades: WK6-S, WK6-M, WK6-L, WK6-40 Accessories: WK7, WKKEY

No more scratching or damaging paintwork.

NOTE!

WK6 blades are excellent for removing urethane embedded with shattered glass.







WK18Z





WK18Z BTB SPADE BLADE - 140mm WK19Z BTB LONG SPADE BLADE - 180mm WK18Z-S BTB SERRATED SPADE BLADE - 140mm WK19Z-S BTB LONG SERRATED SPADE BLADE - 180mm

BTB's new 'spade' blades provide safe and superior control with their 40mm wide blade and cutting edge resting against the glass or panel surface.

Push them forward to cut with the wide face or pull them backward to cut with the serrated side.

The WK19 version is an extra 40mm longer providing even more reach for hard to get at urethane.

Use in BTB's E-Tool, Air Tool or manual handle. **WK19Z** WK18Z-S WK19Z-S

Nonserrated versions are areat for removina bonded emblems & mouldinas.

BTB Air Power Tool & Kit Accessories













BTB Blades and Their Use





Group	Part	Non-Serrated	Serrated	Flexible	Length (mm)	Width (mm)
Straight	WK1	~			300	
Blades	WK1X	1			370	
	WK2	/			240	
	WK1-S		/		300	
	WK2-S		1		240	
	WK5	~			130	
	WK5-S		'		130	
Bent	WK3	~			190	
Blades	WK4	~		1	190	
	WK24	~		/	240	
	WK3-S		1		190	
	WK4-S		'	1	190	
	WK24-S		'	1	240	
Z Blades	WK4Z	~			140	
	WK24Z	~		~	150	
	WK4Z-S		'		140	
	WK24Z-S		/	~	150	
Reverse	WK4ZR-S		V		140	
Blades	WK24ZR-S		/	V	150	
	WK4R-S		<u>/</u>	V	190	
	WK24R-S		V	<i>V</i>	240	
Spade Z	WK18Z	<i>'</i>		<i>'</i>	140	40
Blades	WK19Z	•		<i>'</i>	180	40
⊗ NEW ⊗	WK18Z-S		<i>V</i>	<i>V</i>	140	40
	WK19Z-S				180	40
Powered Cold Knife	WK2/S	27»	left		19	
Blades	WK27M		facing	j tip	25	
0	WK27L WK27XL		Λ A		30 45	
***	WK27XL WK28S				19	
19	WK28M	K S	<u> </u>		25	
	WK28L	28 v	right		30	
	WK28XL	20 //	facing	j tip	45	
		seri	es als	o av		⊇ in
	WK27 & 28 series also availab reverse grind (orange) blade					
Pinchweld	WK6-S	7				15
Scraper	WK6-M	Winged				20
Blades	WK6-L)				25
	WK6-15)				15
	WK6-25	> 1	-lat			25
	WK6-40)				40

This table covers our most popular blades. See the BTB Removal System Catalogue for the full range.

BLADE COLOUR CODING

Yellow Blades are designed to cut with the flat side of the blade hugging the glass surface.

Orange reverse blades are designed to cut with the flat side of the blade hugging the pinchweld and saving encapsulated glasses.





CUTTING BELOW DASHBOARD & HARD TO REACH AREAS

Long *Straight Blades* easily reach hard and wide adhesive on any vehicle make or model.



CUTTING FROM INSIDE VEHICLES

Short *Z Blades* are used for precise cutting along top / sides of glasses and easily accessible adhesive areas. Use **Orange** blades for encapsulated glass removal. *Bent Blades* provide extra reach.

CUTTING FROM OUTSIDE VEHICLES

Powered Cold Knife Blades allow easy removal of glasses from outside the vehicle. They are safer and easier than manual cold / pull knives.



CURVED / CONTOURED GLASS REMOVAL

Flexible Blades cut while following the contour of curved glasses.

ENCAPSULATED GLASS REMOVAL

Orange *Reverse Blades* hug the pinchweld to remove and save undamaged encapsulated glasses for reuse.

PINCHWELD TRIMMING

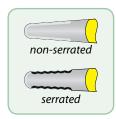
WK6 winged non-scratch *Pinchweld Scraper Blades* allow easy and safe removal of excess adhesive. These are uniquely sharpened with a special wing on each side which leaves 1 to 2mm thickness of adhesive for re-bonding and eliminates damage to paintwork and vertical pinchweld walls.





SERRATED vs NON-SERRATED

Standard *Non-Serrated* blades can be used in all glass and panel applications. Special *Serrated* blades provide a faster more aggressive cut for glass removal by more proficient users.



CUTTING DEPTH CONTROL

BTB's fully adjustable cutting depth control arms ensure precise cutting depth to avoid contacting painted panels.



Equalizer Ambush™ Glass Removal Tool Kit

Equalizer

ATV2012 EQUALIZER AMBUSH™ CORDLESS REMOVAL TOOL

The Equalizer® Ambush™ is designed to cut through the toughest urethane. A heavy-duty 20 Volt motor provides the power to quickly remove the most difficult glass. There is no need

to worry about finding an electrical outlet or extension cord.

🔠 See the tool in action at

SPECIFICATIONS:

Power Source: 20 Volts

Weight: 2.75 kg

0-2800 cycles per min Speed:

> **Design features** include: 🗘 a rubber over moulded grip which

delivers optimal

comfort and control.

a quick-release

blade clamp.

btbtools.com/VideoIntro

KIT CONTENTS:

20 Volt Power Tool 20 Volt Battery 12 Volt Battery Charger 1 x EHB186 HydroBlade™ Instructional DVD 1 x Safety Glasses

In a handy Carrying Case

Equalizer Ambush™ Blades and Accessories



DCB200 20 VOLT LI-ION BATTERY

Replacement battery for the ATV2012 **Equalizer Ambush** Tool.



DCB119 12 VOLT CAR CHARGER

This 12 volt automotive charger plugs into the cigarette lighter and recharges your DCB200 battery while you are driving to the next job. For the **ATV2012** Equalizer Ambush Tool.

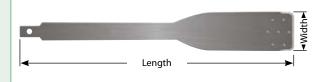


Equalizer® *HydroBlades*™ have a series of small dimples stamped on the side of the blade that rides against the urethane. These dimples are designed to carry cutting lubricant into the urethane that is being cut by the blade. With each stroke the blade picks up cutting lubricant on the outside of the urethane and deposits it inside the urethane allowing for each additional stroke of the blade to slide easily through the urethane. Besides making the blade cut easier they also save battery life and reduce vibration because of the reduced friction on the blade.

EHB145 EQUALIZER HYDROBLADE™ - 38mm WIDE X 250mm LONG

EHL146 EQUALIZER HYDROBLADE™

- 38mm WIDE X 300mm LONG



EHB186 EQUALIZER HYDROBLADE™

- 75mm WIDE X 250mm LONG





HydroBlade™ dimples carry cutting lubricant

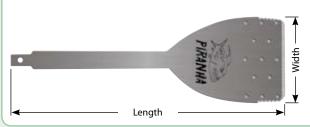




Equalizer Ambush™ Blades and Accessories cont



PHB169 EQUALIZER PIRANHA™ - 75mm WIDE X 300mm LONG



Equalizer® Piranha™ blade uses the same cutting technology as the HydroBlade™ but also incorporates serration on a portion of each side of the blade, making cutting from left to right / right to left much easier.



Piranha™ serrations make cutting easier.

ES1406 EQUALIZER HYDROBLADE™ SHEATH

The sheath is the unique, patented idea that allows the Equalizer® auto glass cut-out knives to use a flexible blade and still have the strength to cut the toughest urethane. Equalizer® HydroBlades™ come in longer and shorter sizes, and one size sheath fits all.





Oscillating Glass Removal Tools

WKOSHD BTB HEAVY DUTY AIR OSCILLATING TOOL

BTB's powerful 20,000 strokes per minute oscillating tool includes a rear exhaust muffler to provide a smoother and quieter operation.

20,000 RPM

Robust design for the Auto Glazier

SI3200A SHINANO AIR OSCILLATING TOOL

The powerful high quality Shinano oscillating tool gets you closer to the cutting area due to its compact design. It operates at 19,000 oscillations per minute.

Supplied with one blade





Compact Design

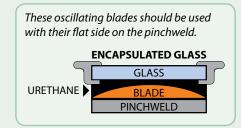
BTB Reverse Bend Oscillating Blades For Encapsulated Glass

Reverse bend blades are commonly used for safe removal of encapsulated glass, designed to cut away from the glass and against the pinchweld.

☼ All oscillating blades will fit all standard 12 point hex electric and air powered oscillating tools.
☼ Recommended to use an approved lubrication or water to keep blades cool and to provide a smoother cutting action.
☼ Re-sharpen blades regularly for best results.





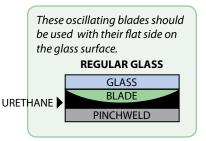




BTB Oscillating Tool Blades



BTB's oscillating blades are thinner and cut easier than most standard profile oscillating blades. The blades follow the contour of the glass and allow the longer blades to flex slightly to ensure the blade is cutting against the glass surface minimising risk of damage to interior trims and fittings.



- All oscillating blades will fit all standard 12 point hex electric and air powered oscillating tools.
- Recommended to use an approved lubrication or water to keep blades cool and to provide a smoother cutting action.
 Re-sharpen blades regularly for best results.











Oscillating Tool Replacement Blades





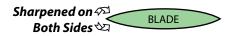






Double Radius Oscillating Blades

Equalizer







Some manufacturers of oscillating tools recommend that their tools be used with a blade that is sharpened on both sides. They believe it is easier for the blade to cut through the centre of the urethane if it does not rub against the glass. For these users, we offer these high-quality stainless steel blades.

Oscillating Hook Blades for External Removals









All oscillating blades can be used with BTB's range of Oscillating Tools (page 12)

NOTE!

Oscillating External Power Cold Knife Blades



Equalizer PCK blades are made of hardened carbon steel and are bent the same way a regular cold knife blade is bent. Used in the same action as a manual cold knife with the benefit of a power oscillating tool.



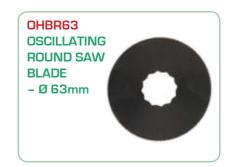




Oscillating Round Saw Blades

These blades are ideal for cutting body panel sheet metal up to 1mm, hard plastic sections and fibre glass.

- No flying sparks
- Precise and straight cutting lines only 0.5mm wide
- Plunge into the material at any point





Fits all standard oscillating tools including BTB's Heavy Duty Air Oscillating Tool WKOSHD.



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