

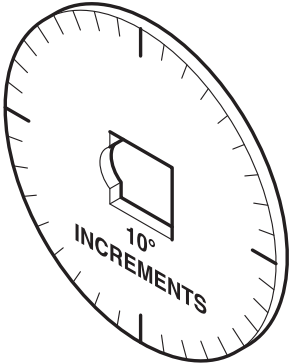
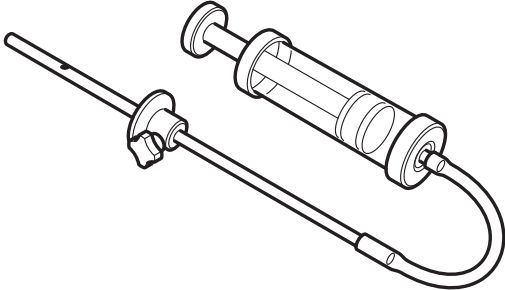
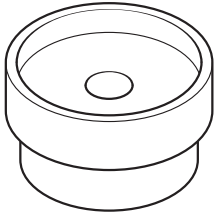
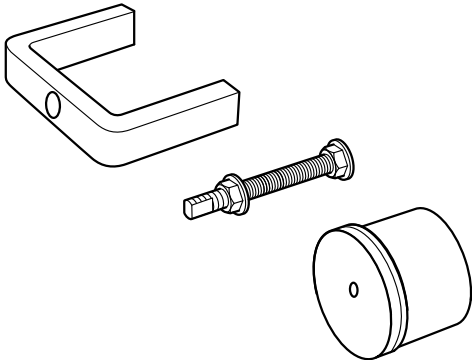
Service Tools

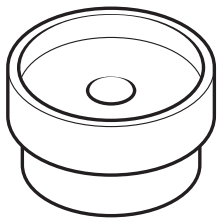
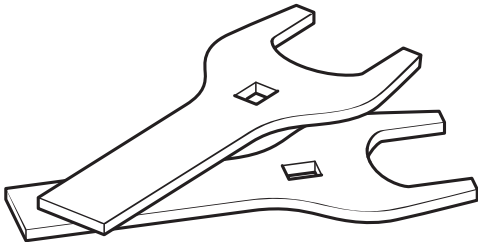
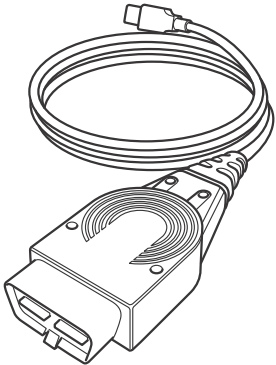
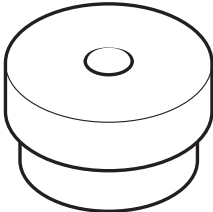
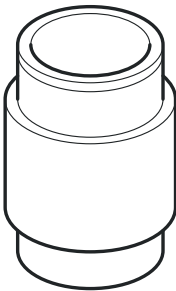
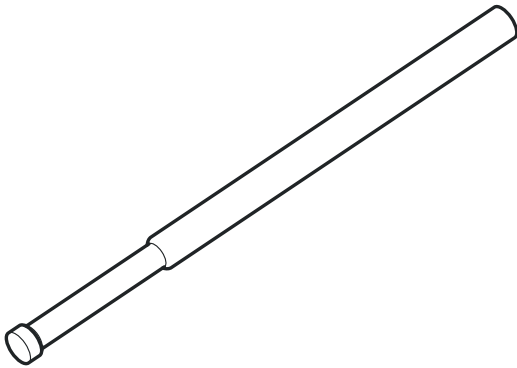
Introduction

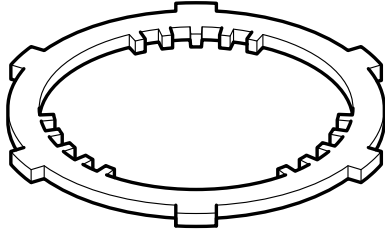
Service tools have been developed to facilitate removal, dismantling and assembly of certain mechanical components in a practical manner without causing damage. Some operations on Triumph Motorcycles cannot be carried out without the aid of the relevant service tools. Where this is the case, the tools required will be described during the procedure in the relevant service manual.

This document lists all current service tools supplied as part of the dealer service kit T3880110. Some service tools for older models have been removed from this kit and from the latest tool board overlays. These older tools can be ordered through the EPC if required.

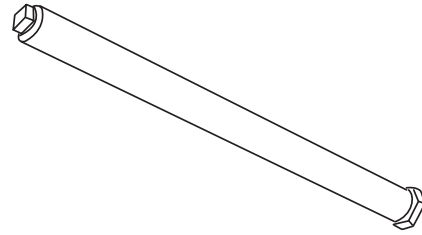
Tool Board 1

	
T3880105 - Torque Angle Gauge	T3880160 - Fork Oil Filler/Evacuator
	
T3880070 - Bearing Installer	T3880315 - Extractor, Cylinder Liner

 cczb	 kagf1
T3880075 - Bearing Installer	T3880140 - Head Race Adjusters
	
T3880057 - Triumph Diagnostic Interface	T3880065 - Bearing Installer
 ccgv	 ccgs
T3880080 - Fork Seal/Bearing Drift	T3880085 - Fork Piston Holder

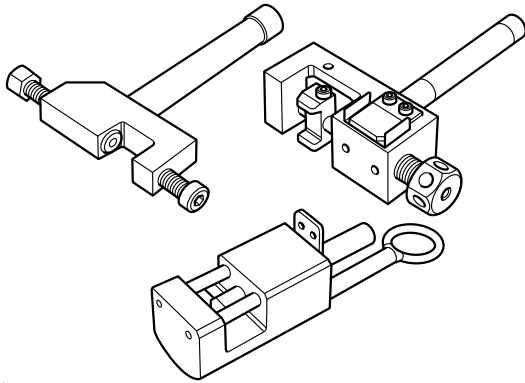


T3880305 - Clutch Anti-Rotation Tool



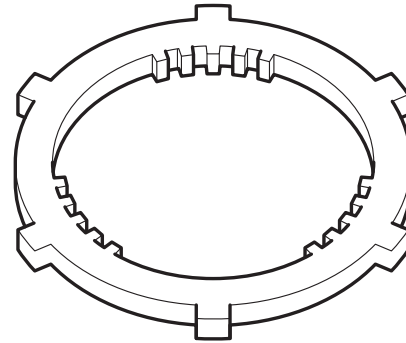
3880090

T3880090 - Fork Kit



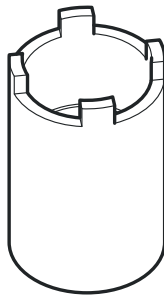
ckem

T3880205 - Kit Chain Link Tool (Regina Chain)



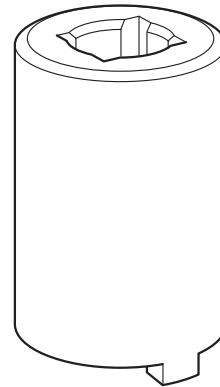
cchd

T3880025 - Locking plate



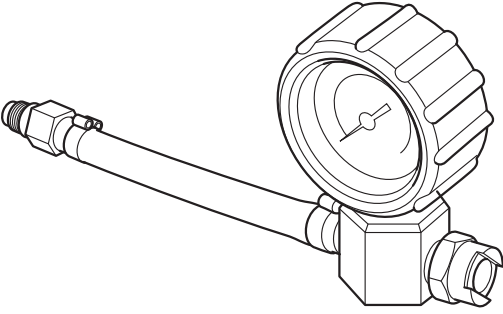
ccgt

T3880088 - Engine Mounting Wrench

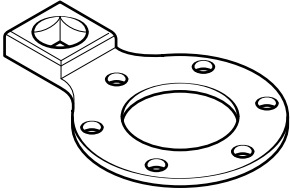
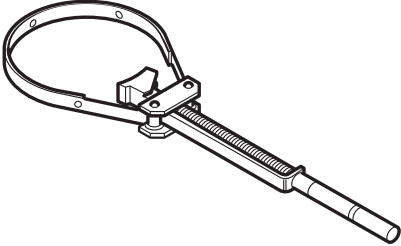
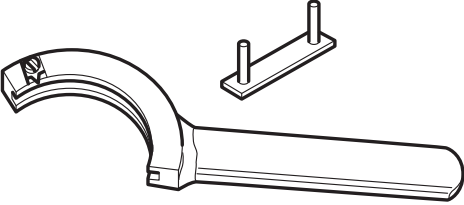
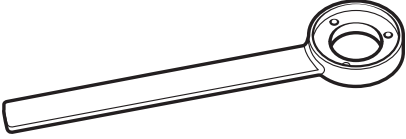


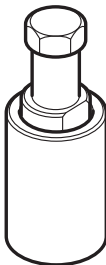
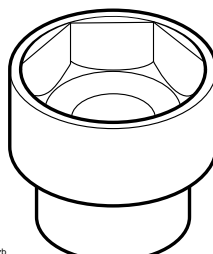
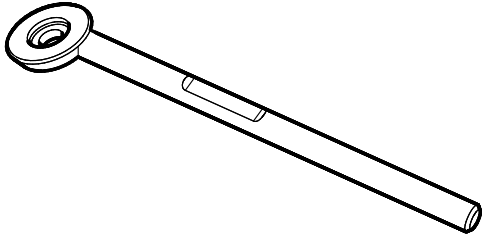
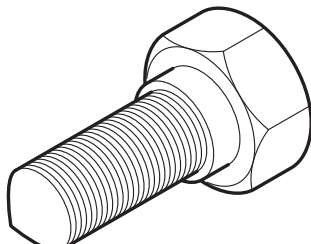
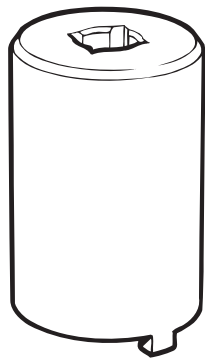
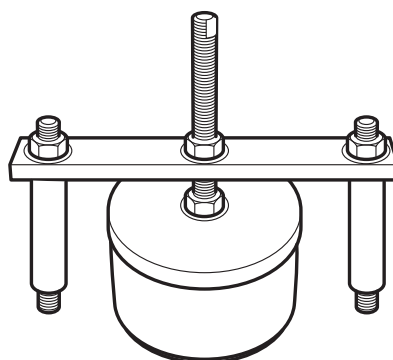
ckep

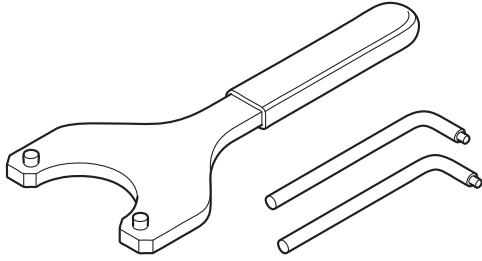
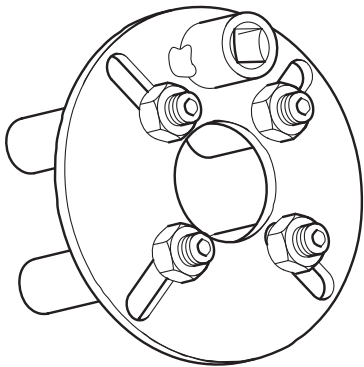
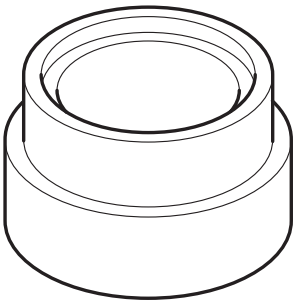
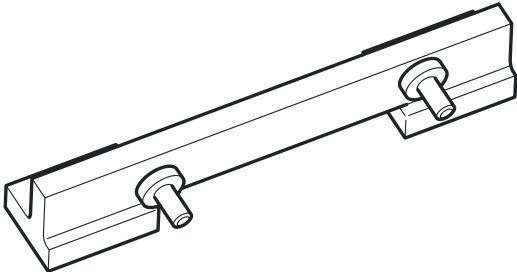
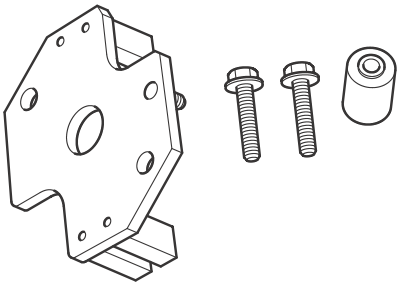
T3880290 - Wrench, Swinging Arm Clamp

	
T3880048 - Fuel Pressure Gauge	

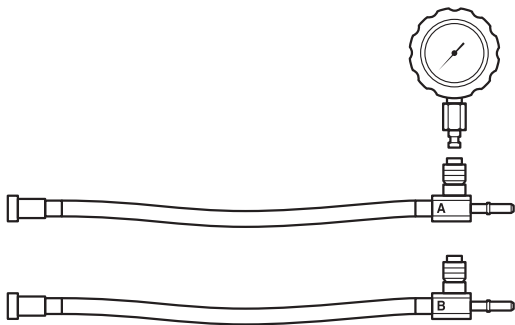
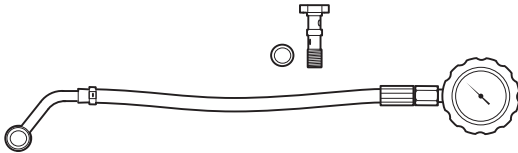
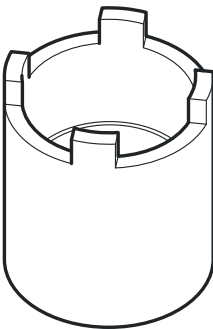
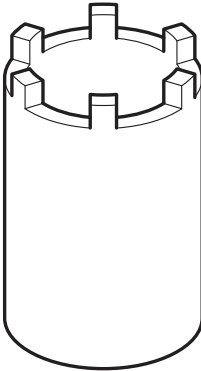
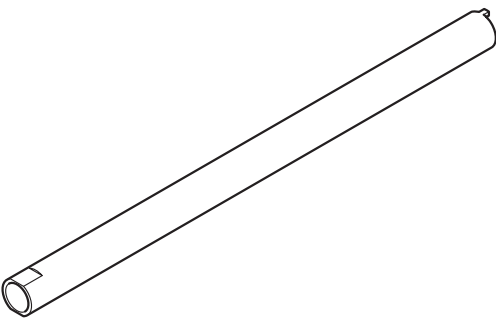
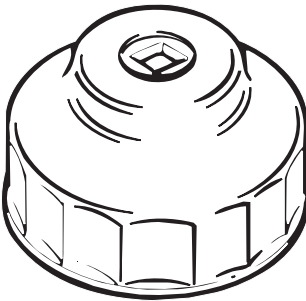
Tool Board 2

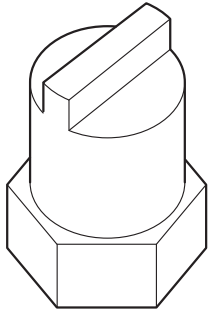
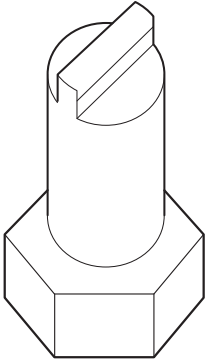
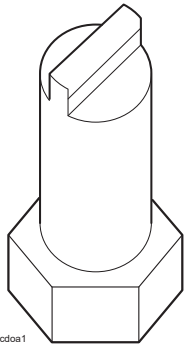
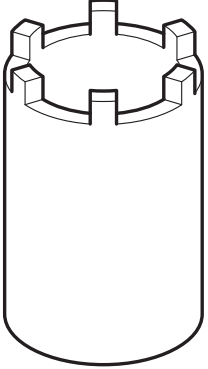
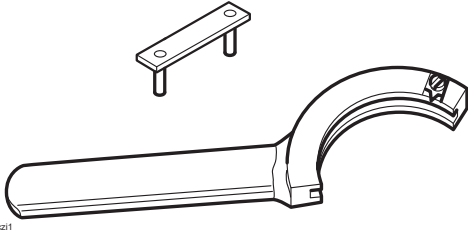
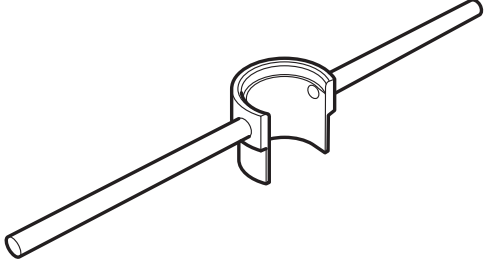
	
T3880371 - Oil Pump Drive Gear Holder	T3880375 - Alternator Rotor Holder
	
T3880016 - Balancer Gear C-Spanner	T3880017 - Sprag Clutch Holder (Older versions of tool T3880017 require modification to function correctly with later models. Refer to Technical

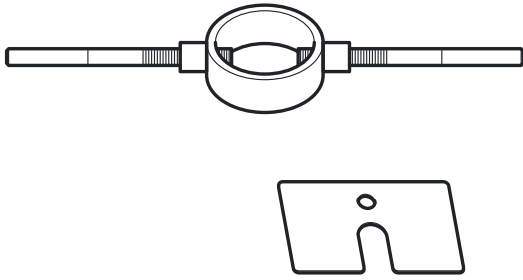
	News issue 86 (April 2006 for information).
 cczh	 cczb
T3880365 - Alternator Housing Puller	T3880046 - 46mm 1/2" Drive Socket
	 cche
T3880007 - Mirror Location Fixture	T3880200 - Puller, Alternator Rotor
 gabd	 cchb
T3880295 - Wrench, Swinging Arm Lock	T3880061 - Extractor, Liners - 1600 cc Engine

 T3880330	 T3880360
T3880330 - Gear Locking Pins & Wrench	T3880360 - Clutch Holding Tool
 cchc	 ccgx
T3880064 - Drift, Swinging Arm Bearings	T3880202 - Jig, Cam Timing, 2294cc Engine
 T3880014	
T3880014 - Alignment Jig, Clutch	

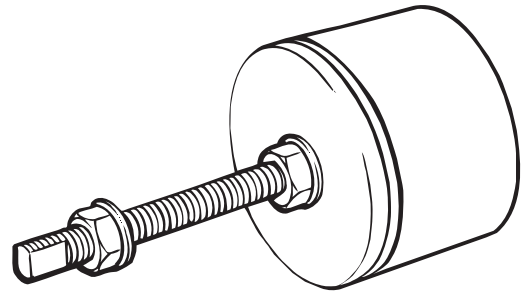
Tool Board 3

 Diagram of Fuel Pressure Gauge T3880001. It shows two flexible hoses, labeled A and B, connected to a central gauge. Hose A is connected to the top of the gauge, and hose B is connected to the bottom. The gauge has a circular face with a needle and a scale. The label 'cdgh' is located at the bottom left of the diagram.	 Diagram of Fuel Pressure Gauge T3880047. It shows a single flexible hose connected to a gauge. The hose has a 90-degree elbow at one end. The gauge has a circular face with a needle and a scale. A small O-ring is shown separately next to the hose connection.
T3880001 - Fuel Pressure Gauge	T3880047 - Fuel Pressure Gauge
 Diagram of Lock Ring Wrench T3880062. It is a cylindrical tool with a flange at one end. The flange has six rectangular tabs or lugs spaced evenly around its circumference. The label 'ccgu' is located at the bottom left of the diagram.	 Diagram of 45mm Socket T3880024. It is a cylindrical tool with a flange at one end. The flange has six rectangular tabs or lugs spaced evenly around its circumference. The label 'gahc' is located at the bottom left of the diagram.
T3880062 - Lock Ring Wrench, 38 mm	T3880024 - 45mm Socket
 Diagram of Holder, Damping Cylinder T3880004. It is a long, thin, cylindrical tool with a slightly wider base at one end. The label 'gahc' is located at the bottom left of the diagram.	 Diagram of Oil Filter Wrench T3880313. It is a circular tool with a flange at one end. The flange has six rectangular tabs or lugs spaced evenly around its circumference. The label 'gahc' is located at the bottom left of the diagram.
T3880004 - Holder, Damping Cylinder	T3880313 - Oil Filter Wrench

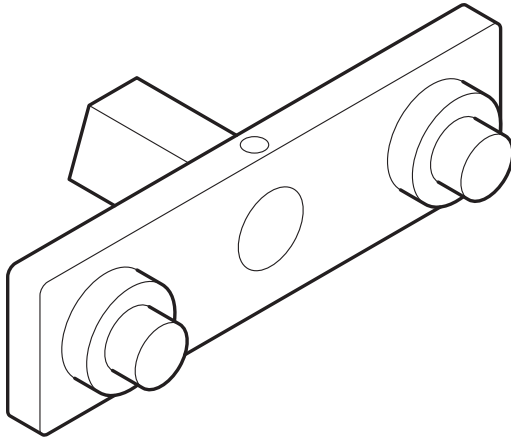
 cd0a	 cd0a2
T3880104 - Swinging Arm Adjuster Wrench	T3880377 - Engine Mounting Adjuster
 cd0a1	
T3880103 - Engine Mounting Adjuster	T3880023 - 50 mm Socket
 cd211	
T3880106 - Balancer Gear Holder	T3880003 - Front Fork Seal Installer



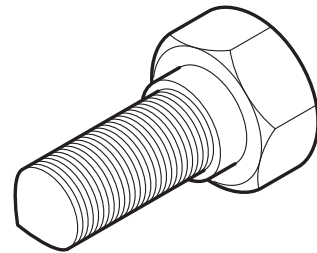
T3880067 - Fork Spring Compressor



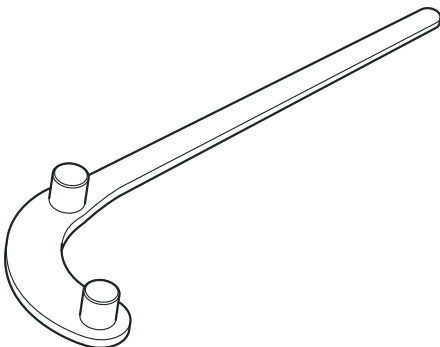
T3880101 - Extractor, Cylinder Liners



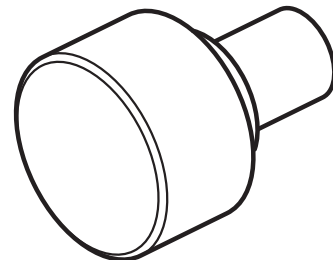
T3880102 - Wrench, Camshaft Turning



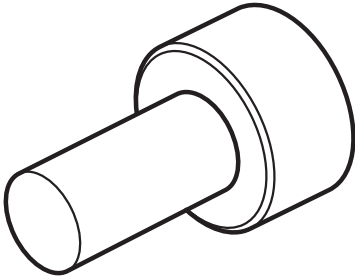
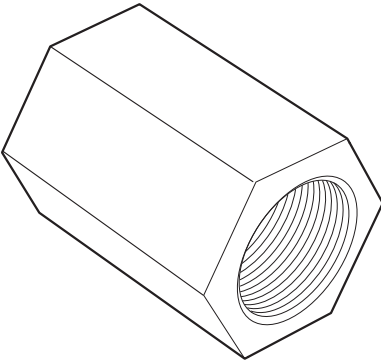
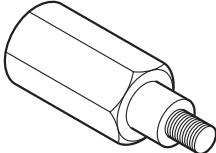
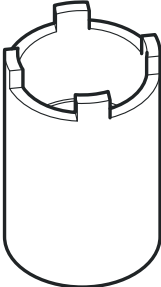
T3880203 - Puller, Alternator Rotor



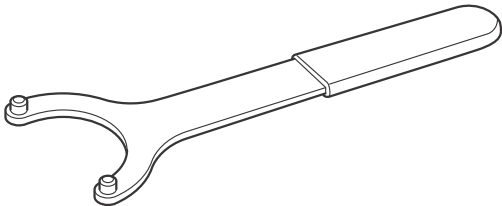
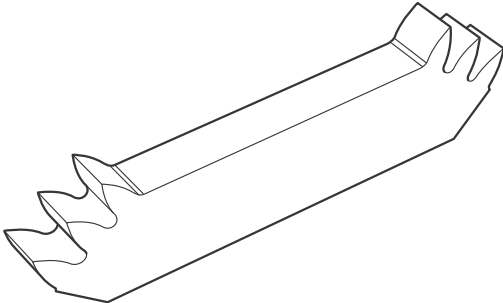
T3880201 - Alternator Rotor Brace

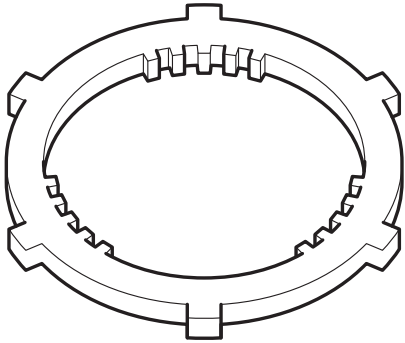
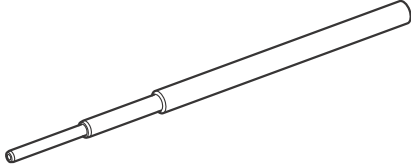
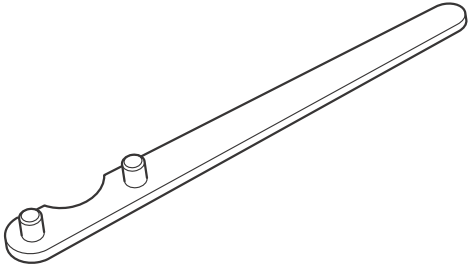
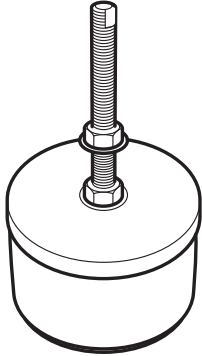
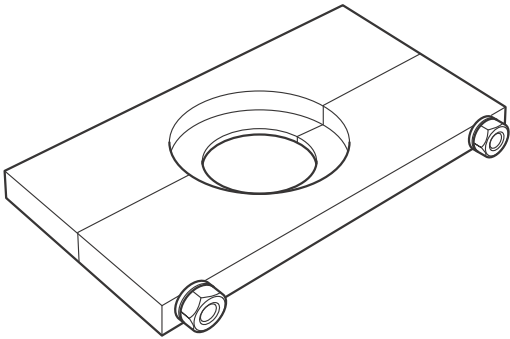
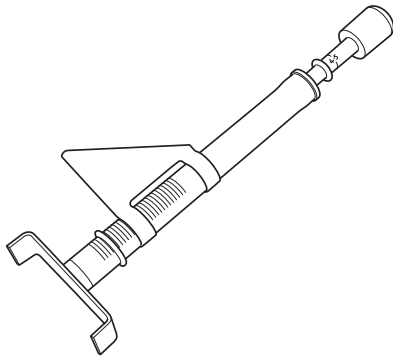


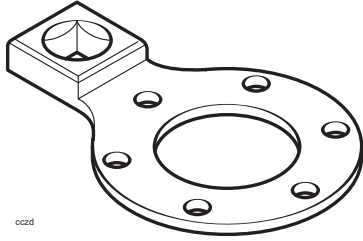
T3880254 - Tool, Drag Link Bearing

	
T3880253 - Tool, Extract Drag Link Bearing	T3880210 - Adaptor Tool, Input Shaft Assy
	
T3880209 - Adaptor	T3880063 - Lock Ring Wrench, 31 mm

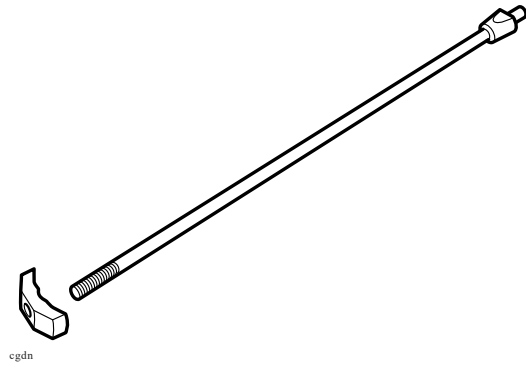
Tool Board 4

	
T3880041 - Idler Gear Timing Wrench	T3880043 - Crank Lock-up Tool

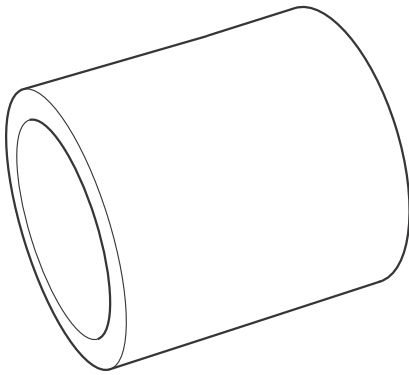
 cchd	 T3880039
T3880038 - Clutch Anti-rotation Jig	T3880039 - Idler Gear Timing Pin
 T3880096	 cchb
T3880096 - Holding Tool, Alternator Rotor	T3880122 - Extractor, Liners - 1700 cc Engine
 T3880108	 cthc_1
T3880108 - Press Plate, Transmission	T3880126 - Belt Slack Measurement Tool



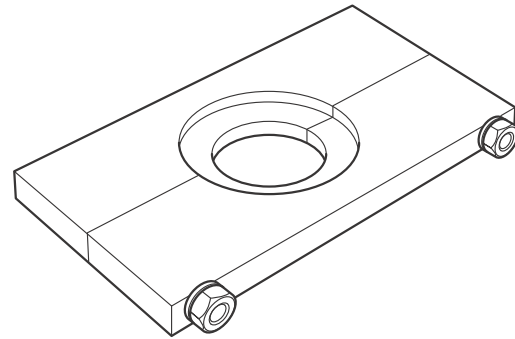
T3880121 - Holder, Oil Pump Drive Gear



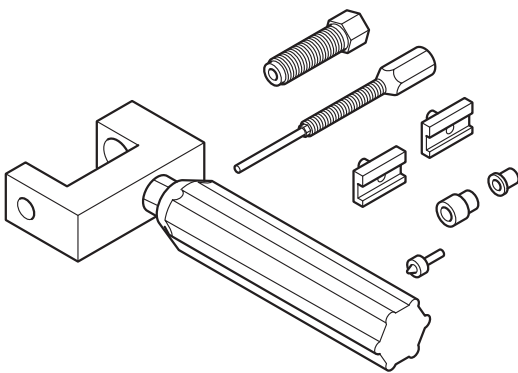
T3880148 - Wheel Alignment Tool



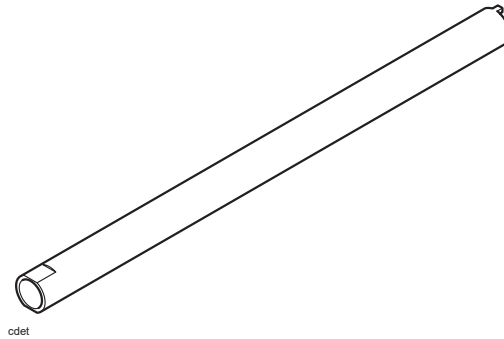
T3880132 - Fork Seal Chrome Cap Installer



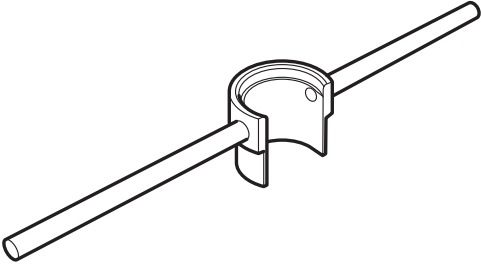
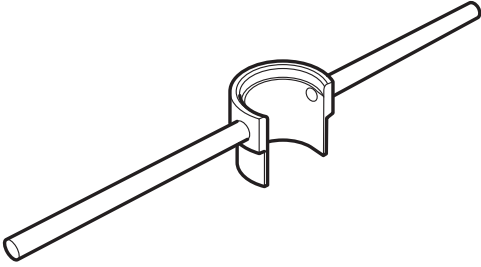
T3800133 - Press Plate, Second Gear



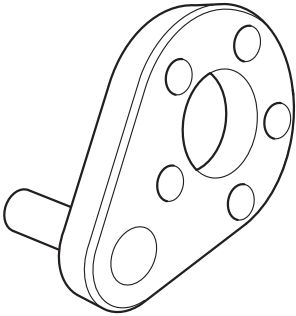
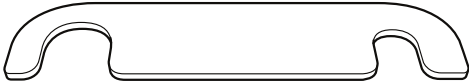
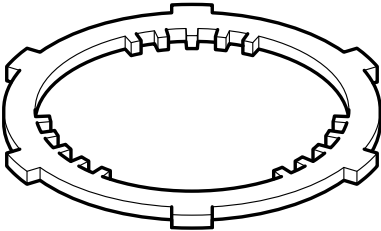
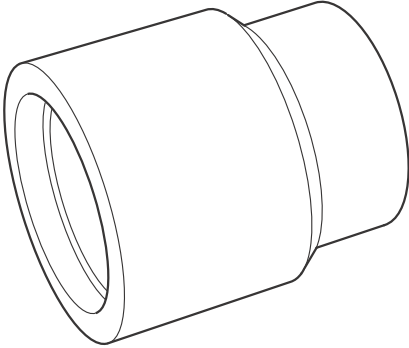
T3880027 - Chain Link Tool Kit (RK Chain)

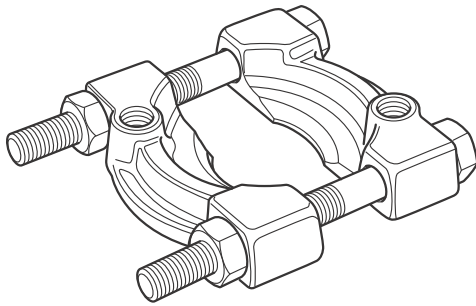


T3880028 - Damping Cylinder Holder

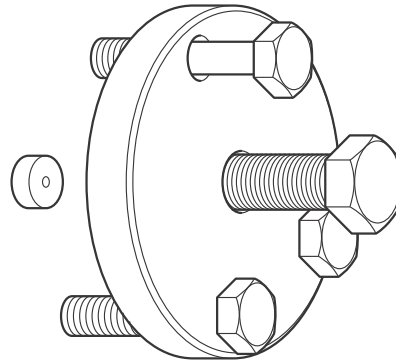
	
T3880157 - Fork Seal Installer	T3880623 - Fork Seal Installer

Tool Board 5

	
T3880152 - Output Pulley Carrier Holding Tool	T3800500 - Backrest Alignment Gauge
	
T3880306 - Clutch Anti Rotation Jig	T3880131 - Fork Seal and Upper Bearing Installer



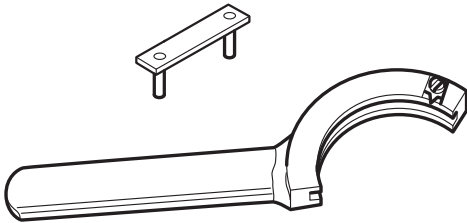
T3880109



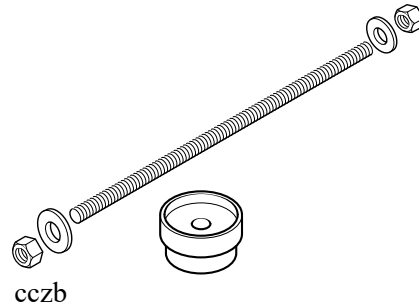
T3880054

T3880109 - Bearing Separator

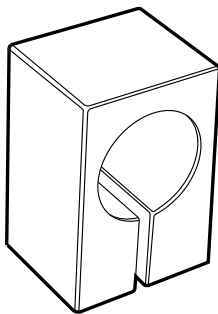
T3880054 - Output Pulley Carrier Puller



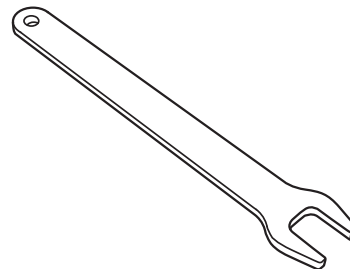
T3880156 - Holder, Balancer Gear



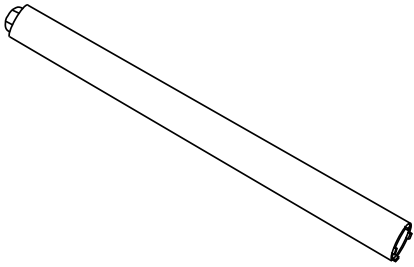
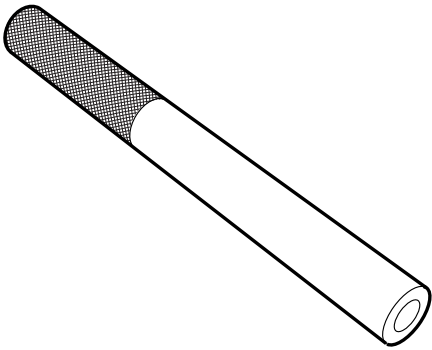
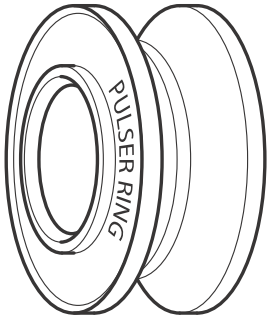
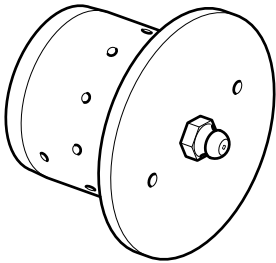
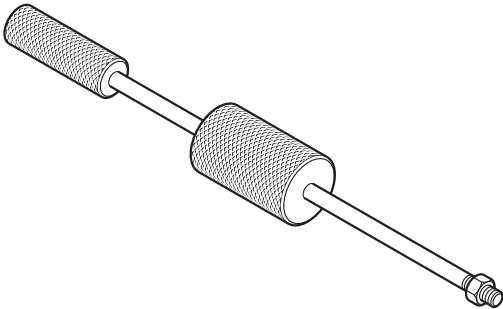
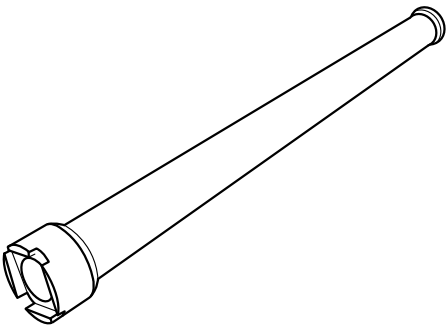
T3880053 - Wheel Bearing Extraction Kit

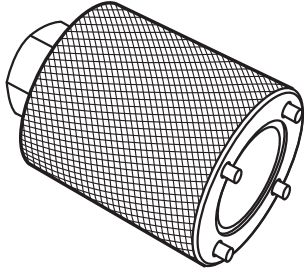
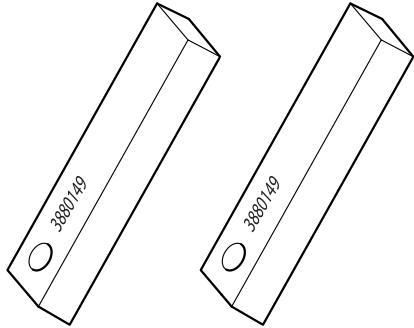


T3880344 - Öhlins Piston Shaft Clamp

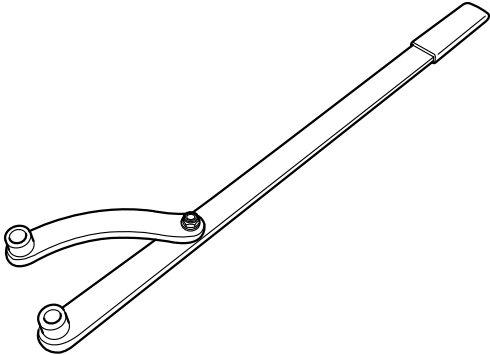
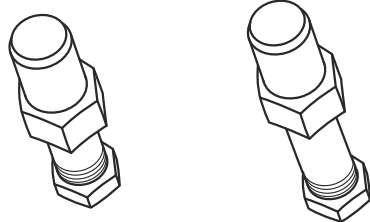
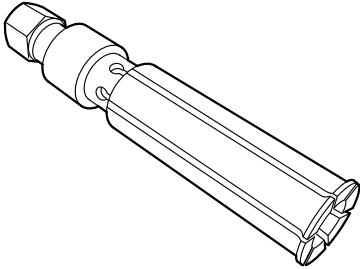
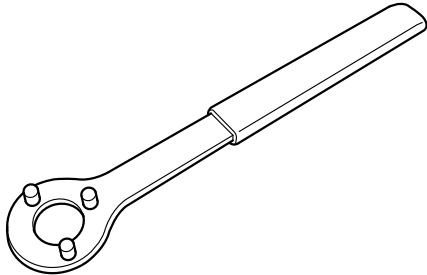


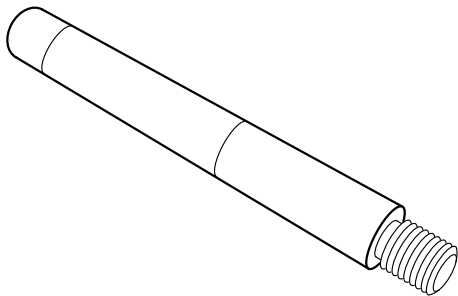
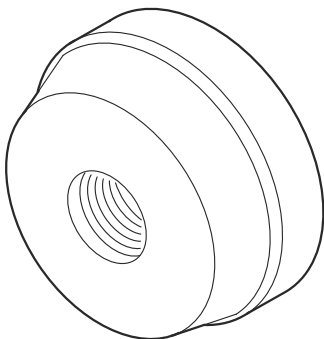
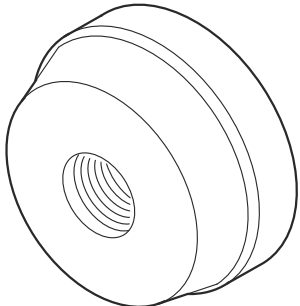
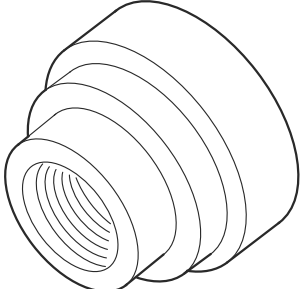
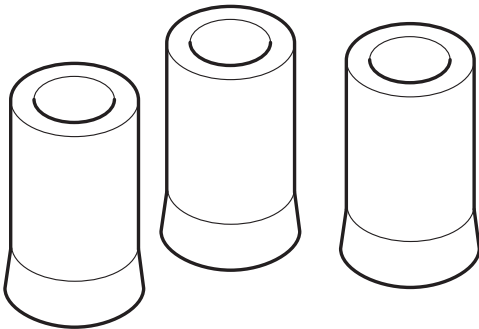
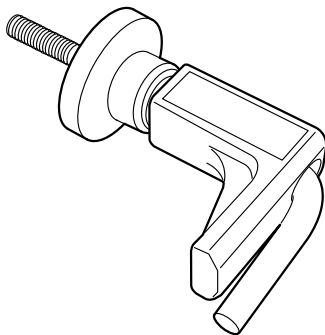
T3880342 - 17 mm U-Spanner

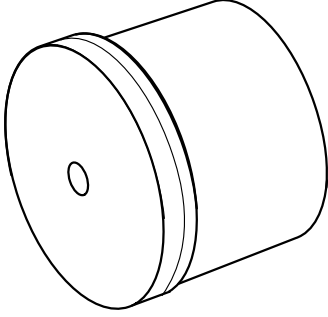
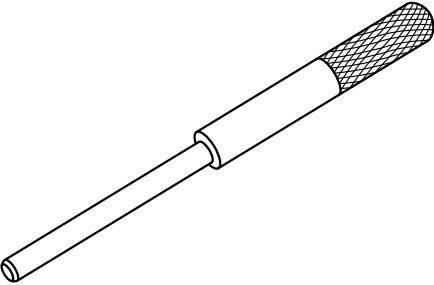
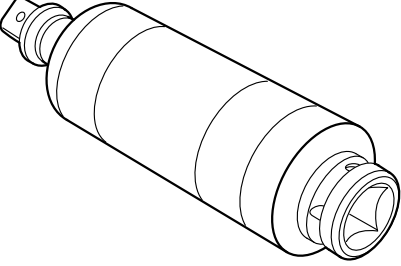
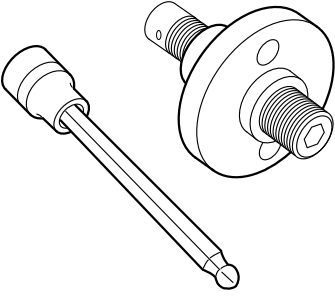
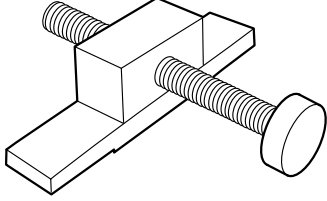
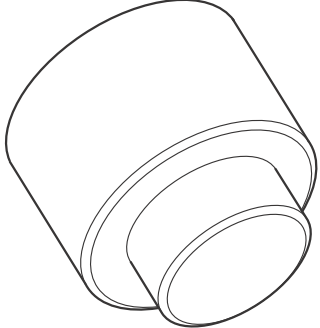
	
T3880345 - Öhlins Cap/Cartridge Tool	T3880343 - Rod, Pull Up
	
T3880388 - Pulser Ring Alignment Tool	T3880340 - Eccentric Bearing Greasing Tool
 cemy4	
T3880208 - Slide Hammer	T3880622 - Damper Tube Wrench

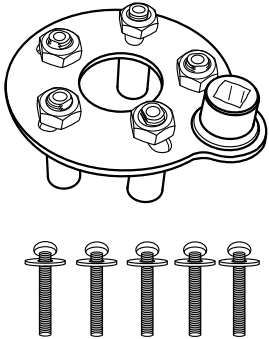
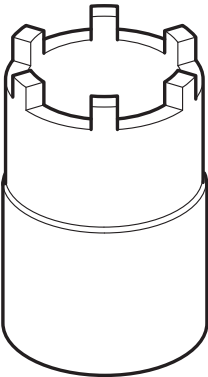
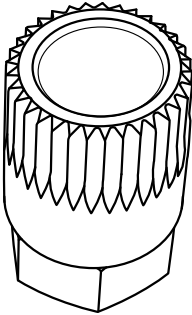
	
T3880341 - Top Nut Socket	T3880149 - Pannier Setting Tool

Tool Board 6

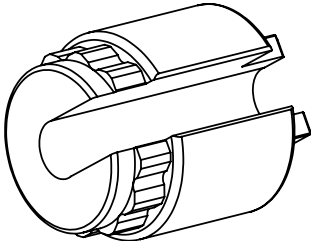
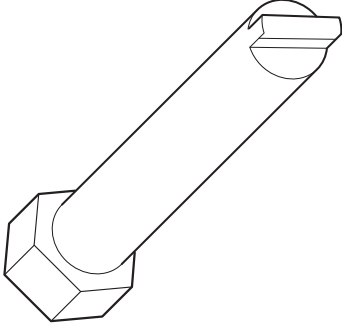
	
T3880606 - Flywheel Restraint Handle	T3880608 - Flywheel Pin Set
	
T3880627 - Bearing Puller, 32-42 mm	T3880603 - Oil Pump Restraint

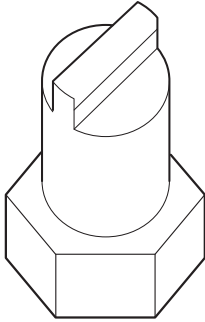
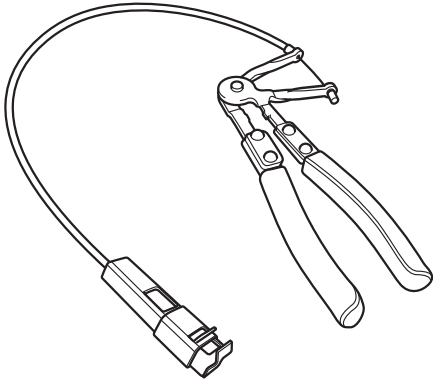
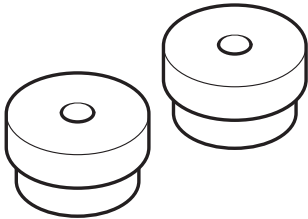
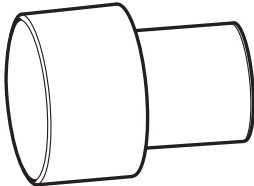
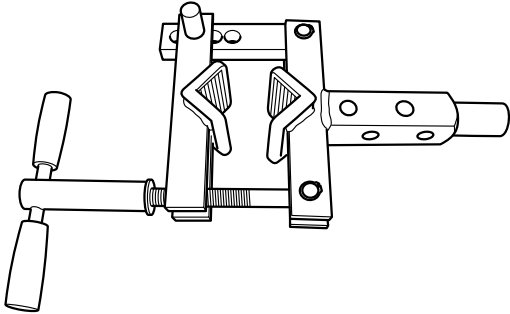
	
T3880629 - Bearing Installer Handle	T3880626 - Bearing Installer, 46 mm
	
T3880625 - Bearing Installer, 39 mm	T3880628 - Bearing Installer, 26 mm
	
T3880631 - Blanking Cap (supplied as a set of four as T3880632)	T3880630 - Fuel Hose Clamp

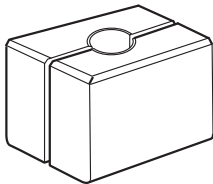
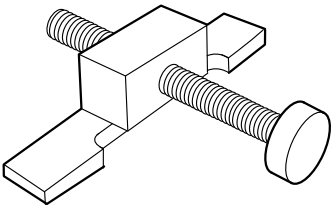
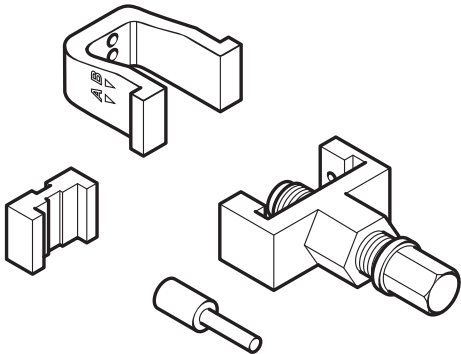
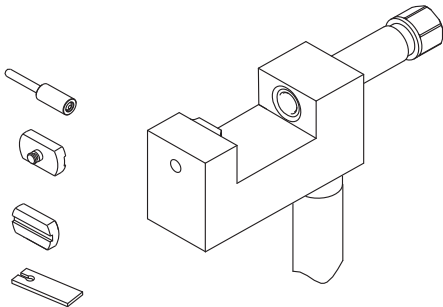
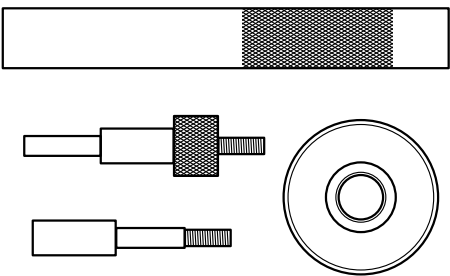
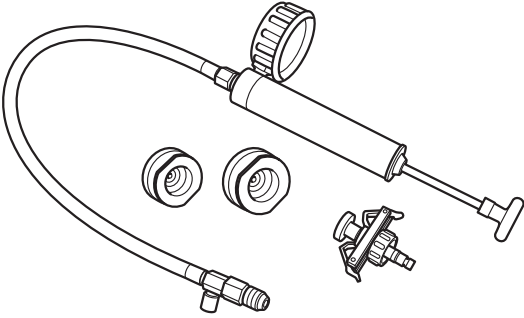
	
T3880605 - Cylinder Liner Extractor(use with the frame from Cylinder Liner Extractor T3880315)	T3880601 - Camshaft Timing Pin
	
T3880609 - Timing Torque Limiter	T3880607 - Camshaft Timing Tensioner
	
T3880640 - Camshaft Timing Plate	T3880624 - Housing Support

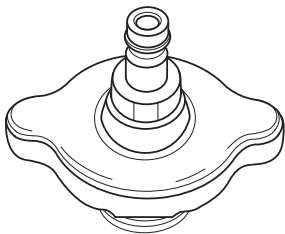
	
T3880604 - Clutch Restraint	T3880620 - Adjuster Socket, 48 mm
	
T3880602 - Alternator Wrench	

Tool Board 7

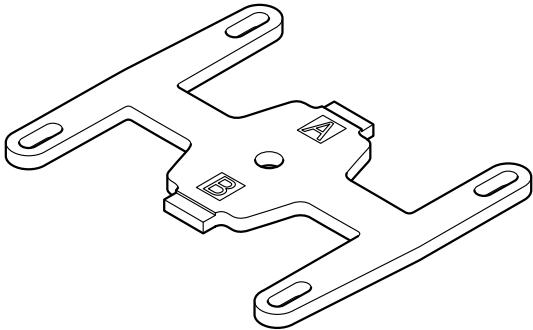
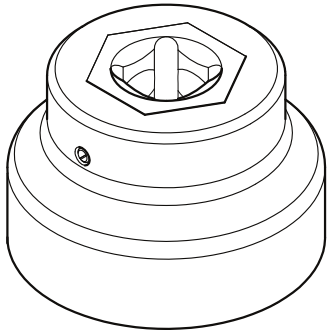
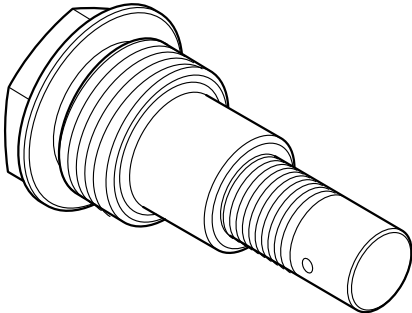
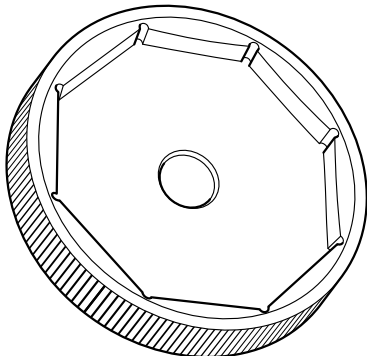
	
T3880367 - Wrench, Damper Cylinder, 33mm	T3880181 - Wrench Frame Adjuster

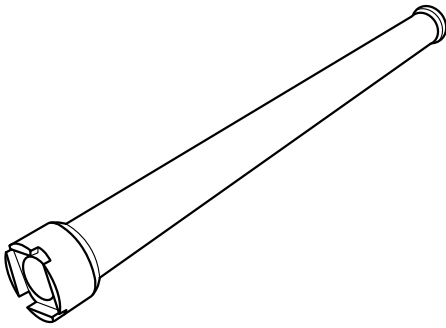
	
T3880166 - Wrench, Engine Mounting Adjuster	T3880207 - Hose Clip Pliers
	
T3880368 - Bearing Installer	T3880369 - Switch Housing Removal Tool
 3880068	 cjitx
T3880068 - Gauge, Camshaft Drive Chain Tensioner	T3880171 - Fork Holding Tool

	
T3880317 - Damper Tube Clamp	T3880659 - Camshaft Timing Locking Plate
 T3880810	
T3880810 - Chain Link Tool Kit (DID Chain)	T3880635 - Final Drive Chain Cut and Rivet (EK Chain)
	 cgwp
T3880636 - Kit, Brake Lever Pivot Sleeve	T3880147 - Radiator and Cap Tester Kit

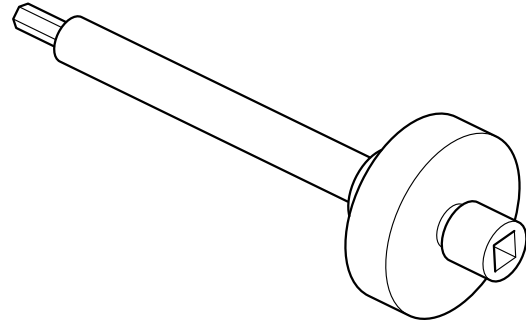
	
T3880176 - Radiator Pressure Test (use with T3880147)	

Tool Board 8

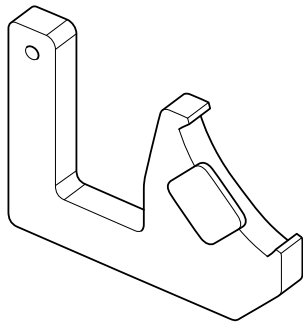
	
T3880650 - Camshaft Timing Plate	T3880649 - Timing Chain Tensioner Socket
	
T3880651 - Timing Chain Tensioner	T3880186 - 45 mm Octagonal Socket



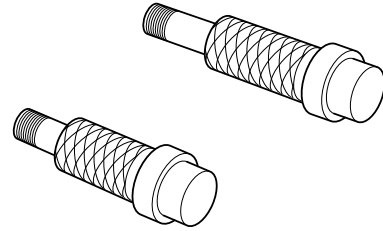
T3880633 - Wrench Damper Tube



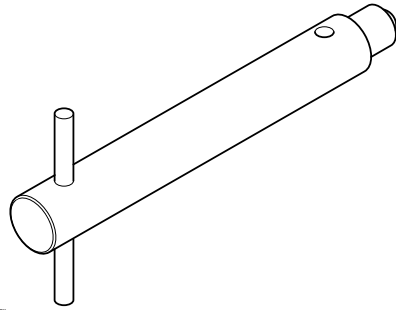
T3880652 - Dead Shaft Key Tool



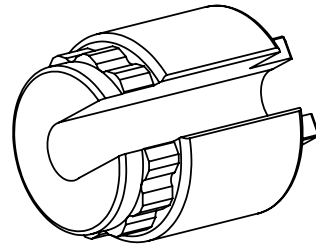
T3880811 - Front Balancer Timing Tool



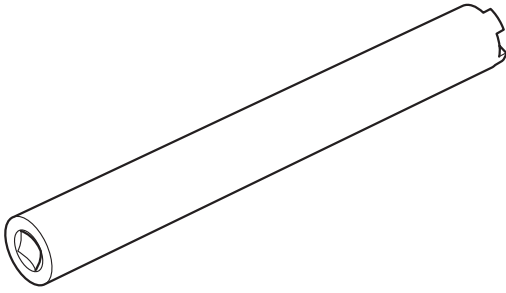
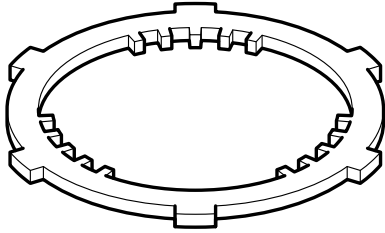
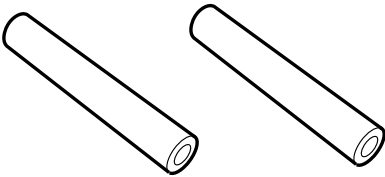
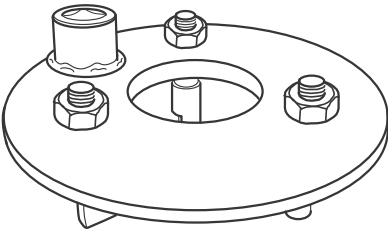
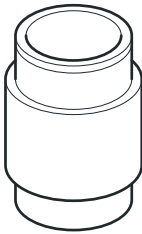
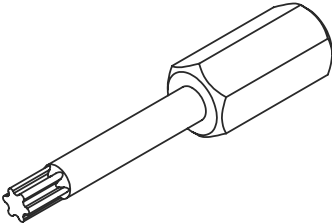
T3880656 - Pulley Wrench Pin Set

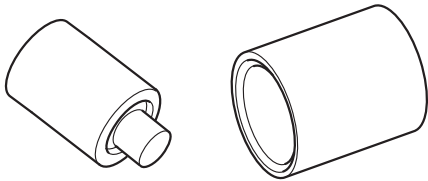
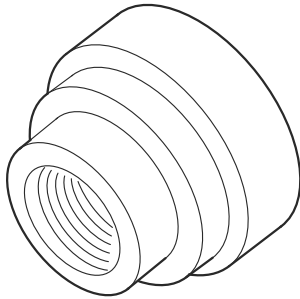
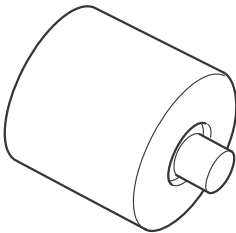
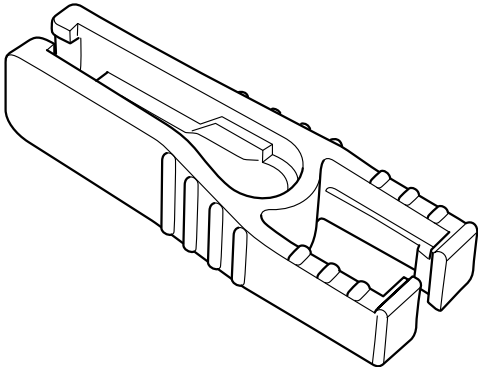
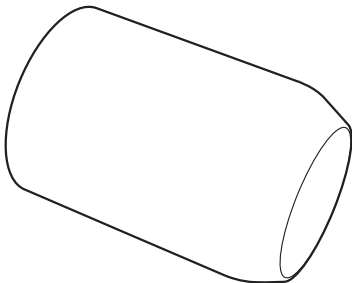
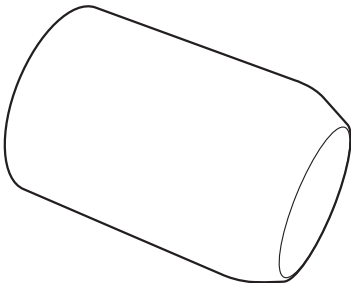


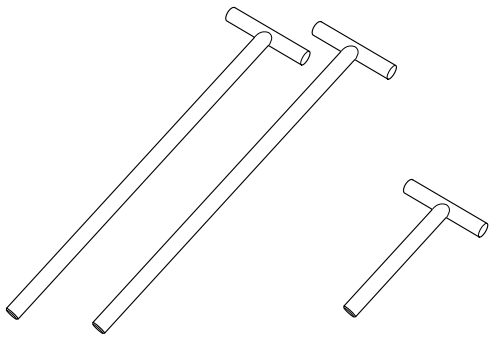
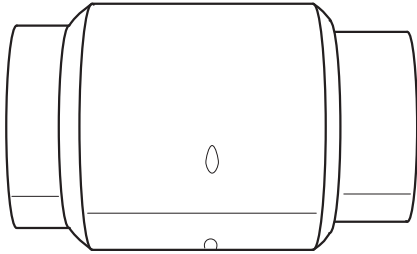
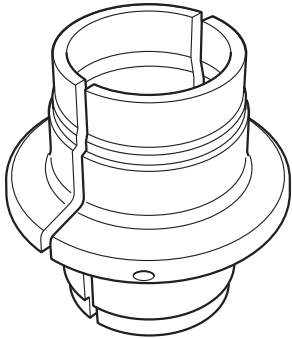
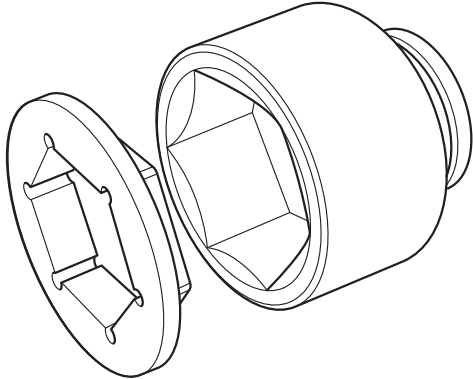
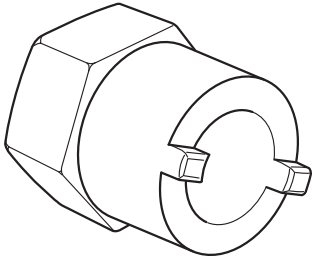
T3880809 - Rear Balancer Timing Tool



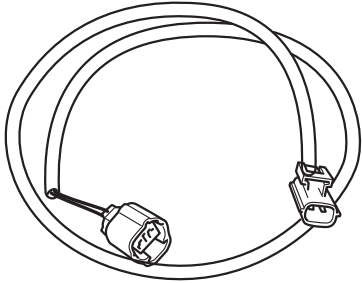
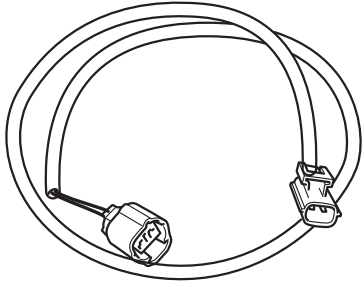
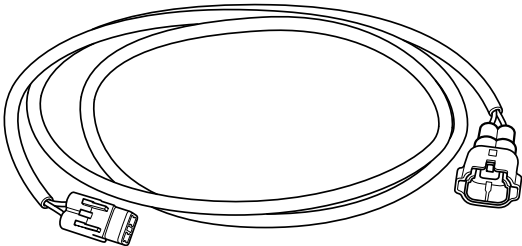
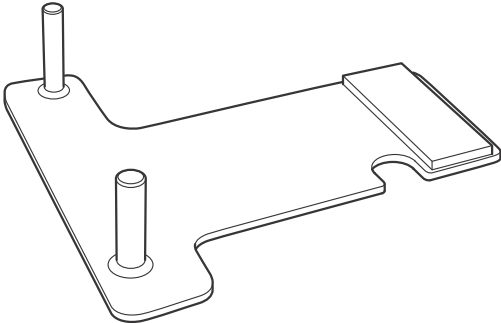
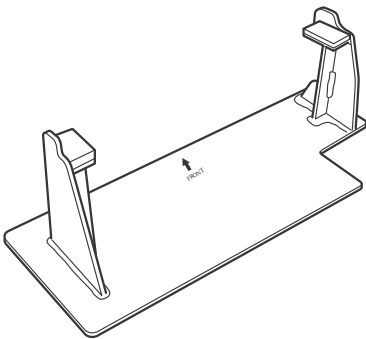
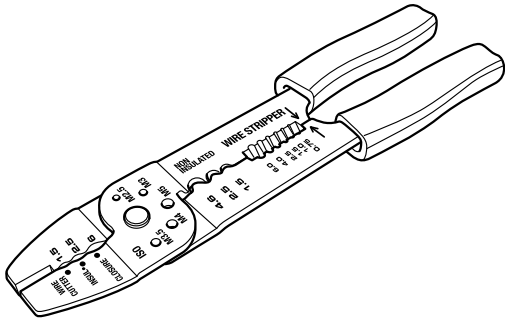
T3880634 - Wrench Damper Cylinder

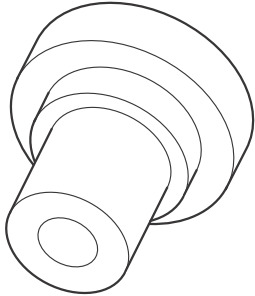
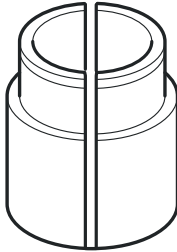
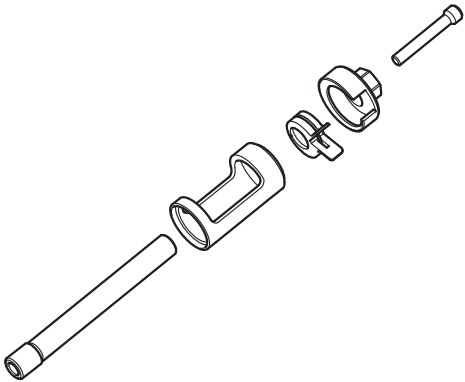
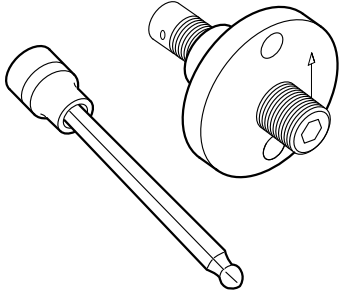
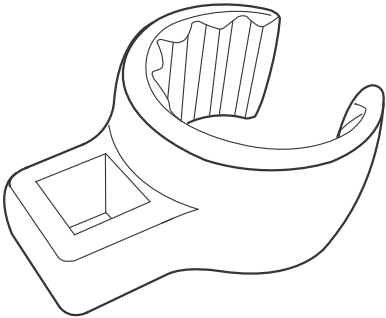
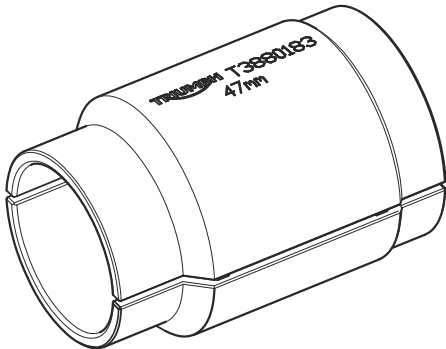
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T3880807 - Damper Assembly Tool	T3880307 - Clutch Anti-rotation Jig
	
T3880308 - Cylinder Barrel Clamps	T3880660 - Clutch Restraint
	
T3880184 - Fork Seals Drift	T3880900 - Throttle Body Adjustment Tool

	
T3880645 - Bush Remover, 24 mm	T3880647 - Bearing Installer, 25.5 mm
	
T3880644 - Bush Installer, 24 mm	T2501300 - Tool, Mini Fuse Replacement
	
T3880662 - Fork Seal Guide	T3880642 - Fork Seal Guide/Protector

	
T3880637 - Kit, Engine to Frame Alignment Bars	T3880661 - Fork Seal Installer
	 T1343
T3880641 - Fork Seal Installer	T3880643 - Fork Top Cap Socket
	
T3880182 - Wrench, Frame Adjuster	

Service Tools not on Tool Boards

	
T3880123 - Extension Cable	T3880124 - Extension Cable
 cjbu	
T3880391 - Fuel Pump Extension Cable	T3880179 - Engine Support Frame
 T3880803	 cken
T3880803 - Motorcycle Support Frame	T3880392 - Splice Crimp Tool

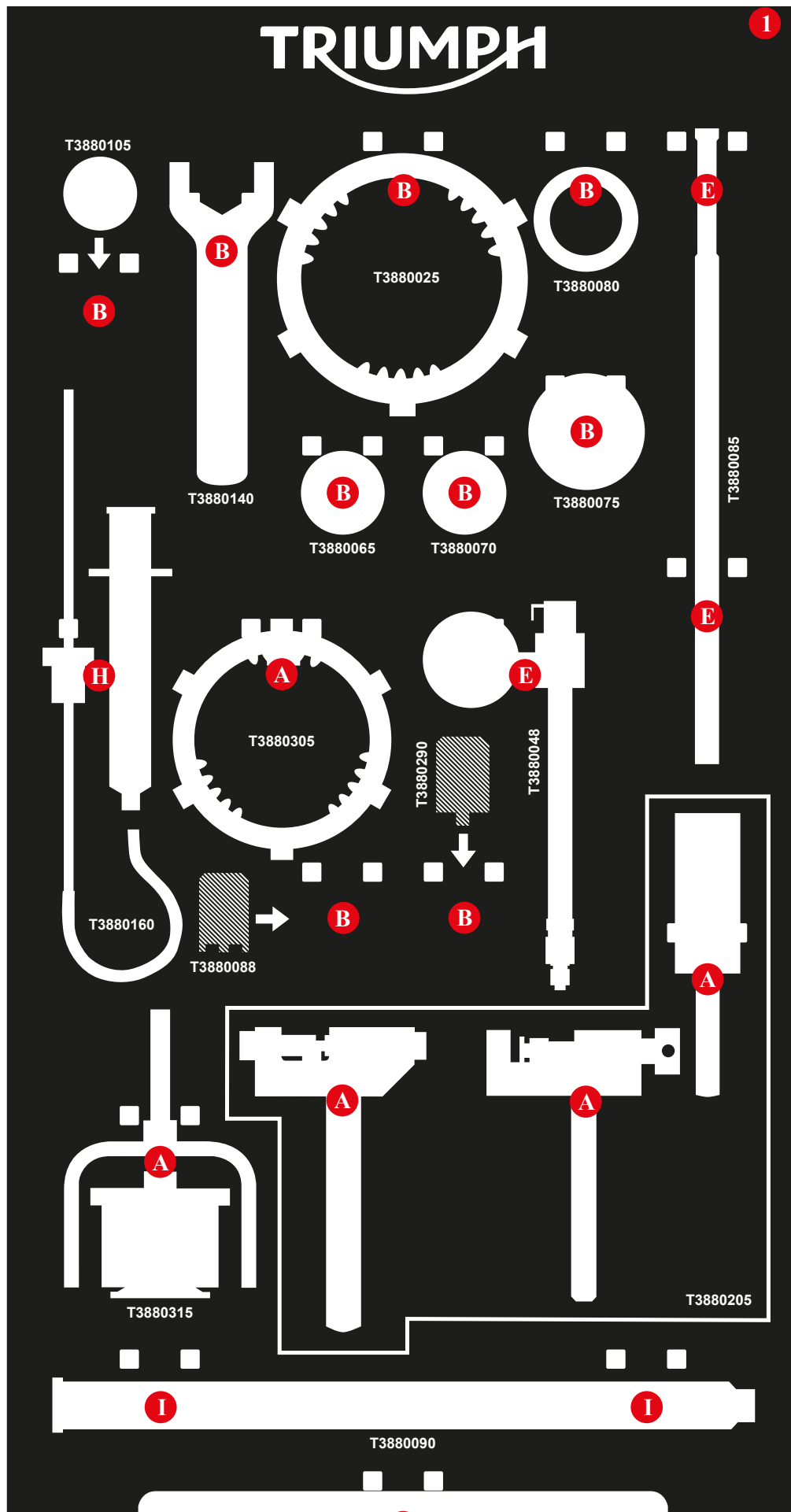
	 ccgv
T3880663 - Bearing Installer, 32 mm	T3880094 - Fork Seal/Bearing Drift
	
T3880199 - Fork Spring Compressor	T3880610 - Camshaft Timing Tensioner
	
T3880700 - Rear Brake Switch Tool	T3880183 - Fork Seal Tool, 47 mm

Appendix A - Overlays

Tool Board 1



TRIUMPH

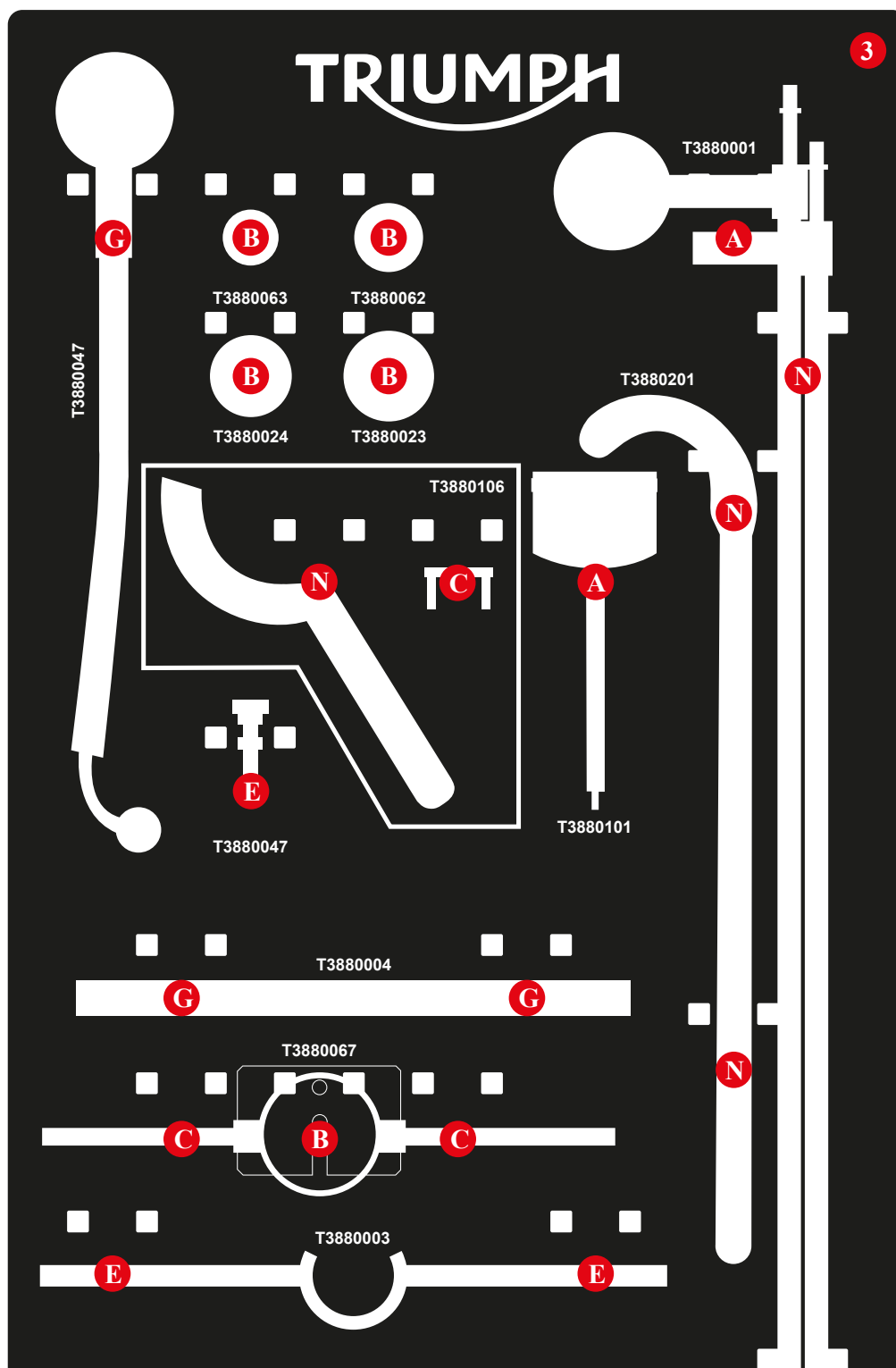


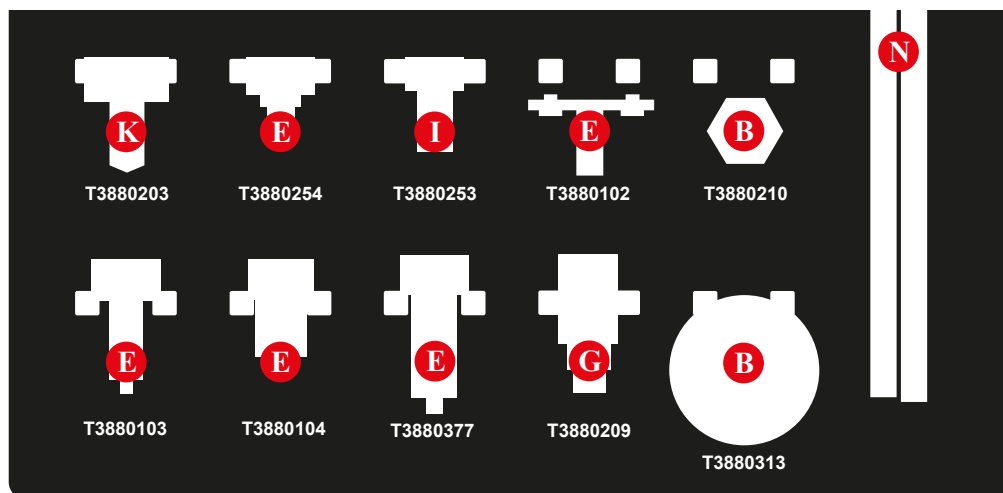
2



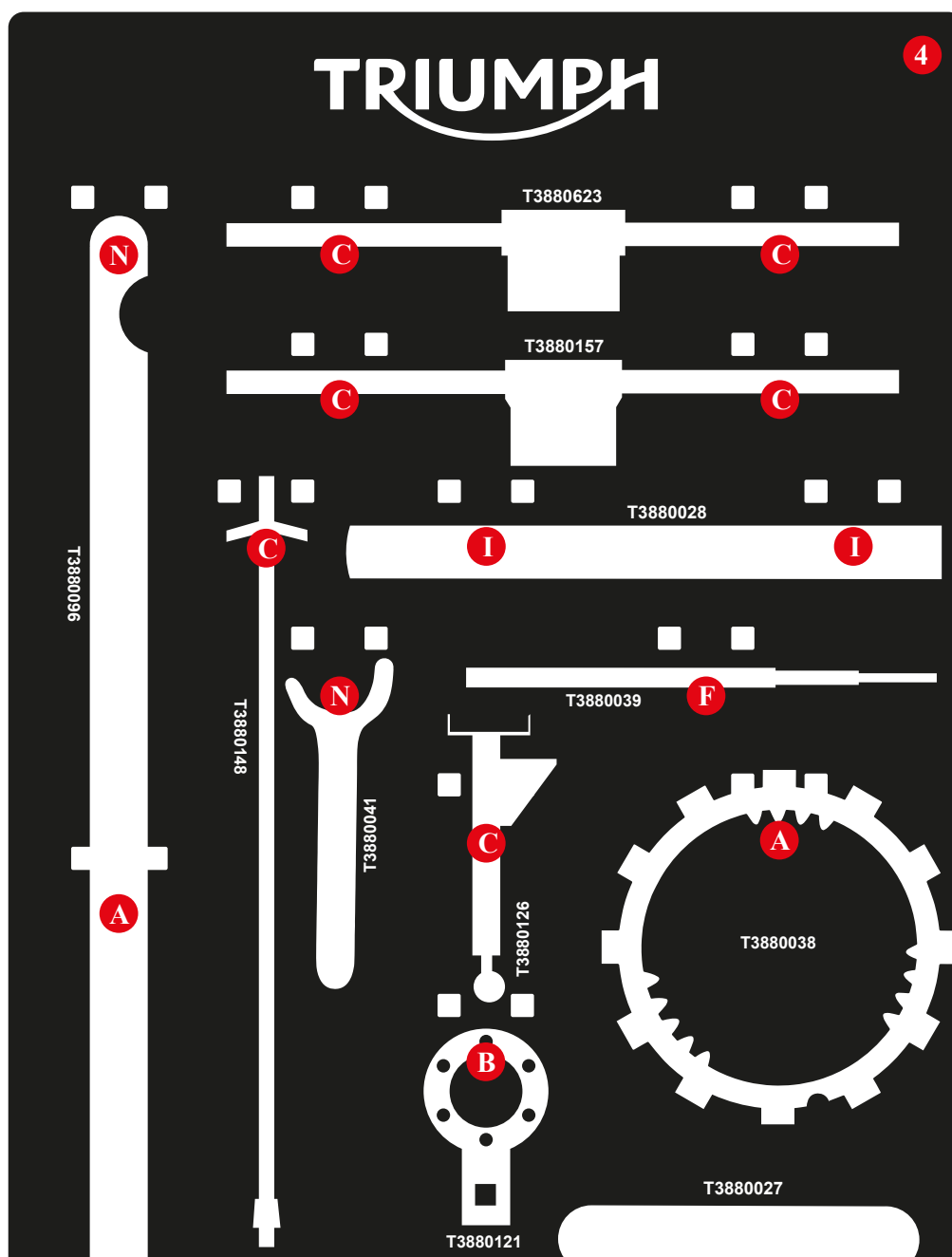


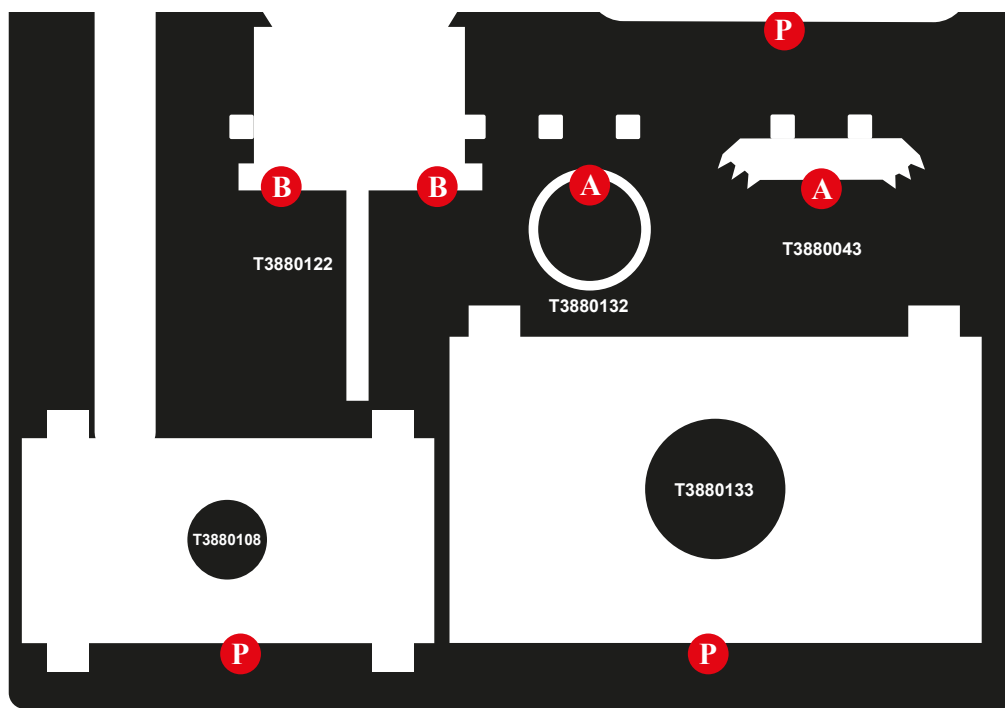
Tool Board 3



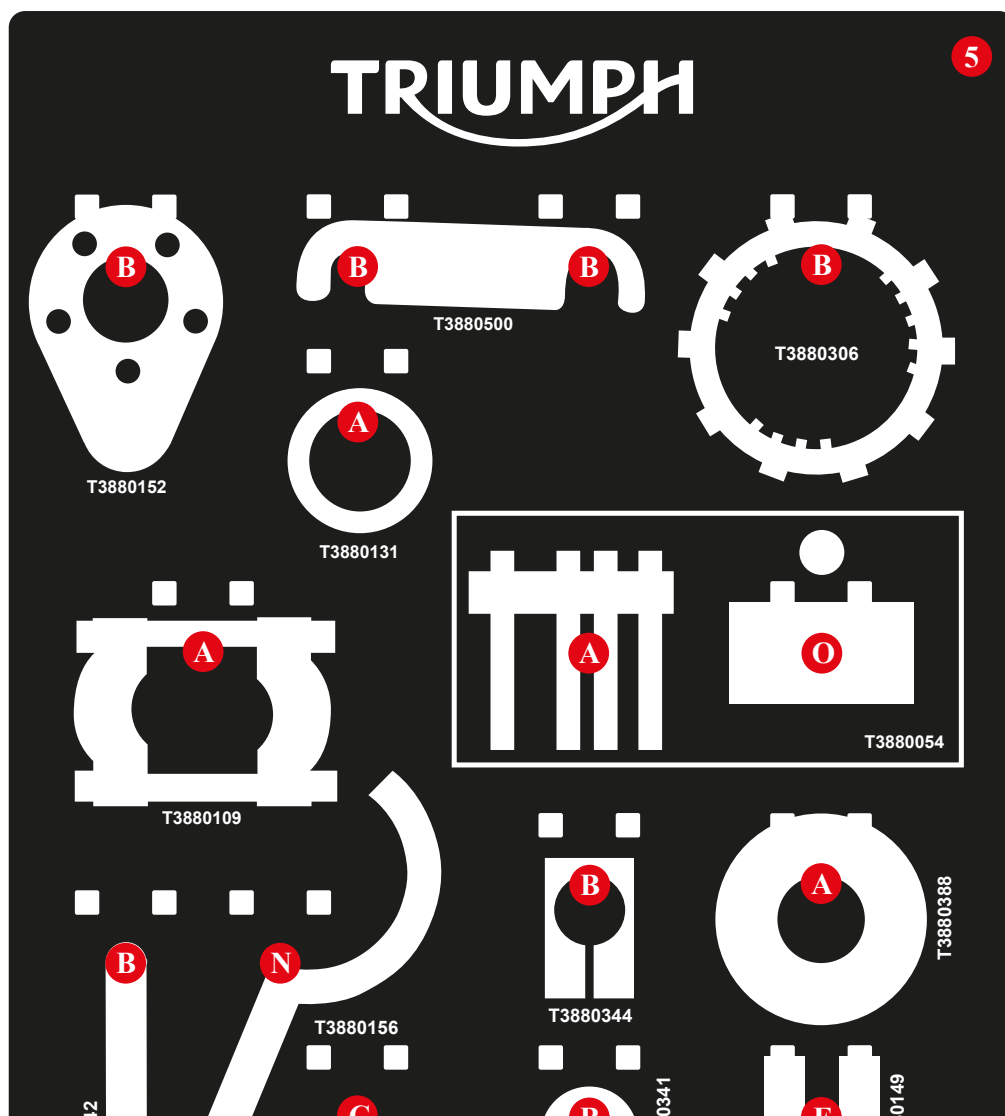


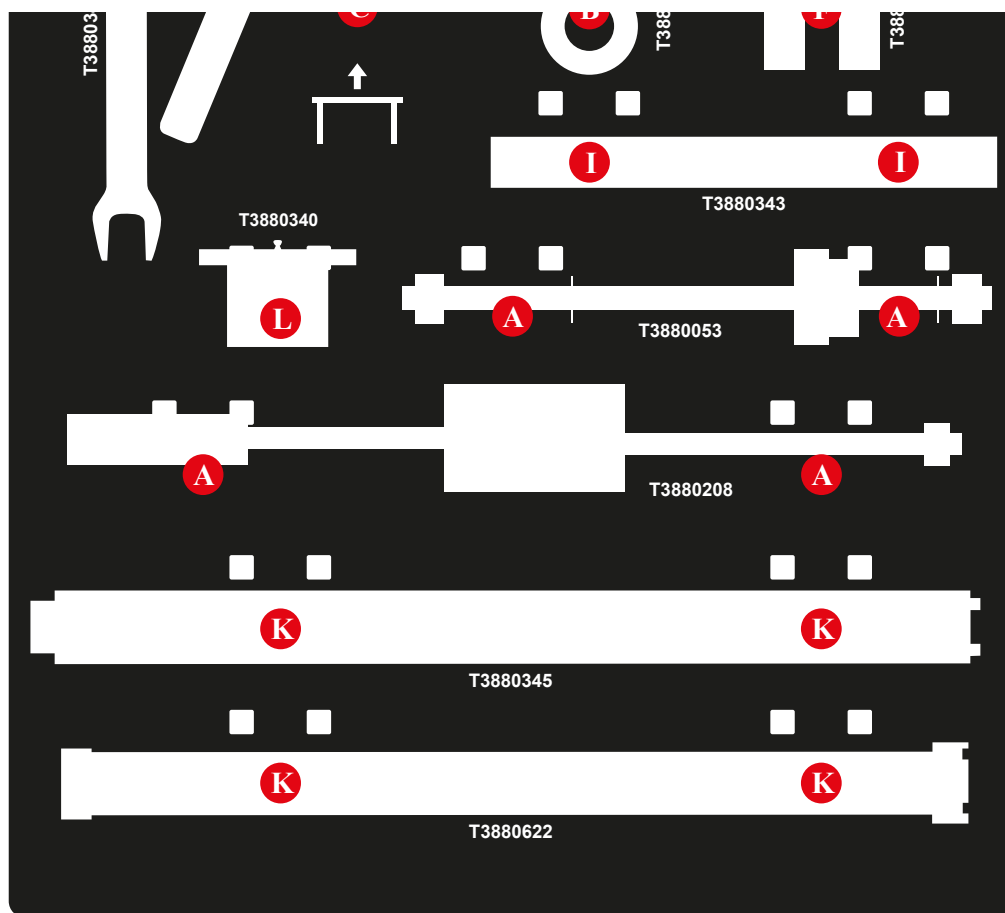
Tool Board 4



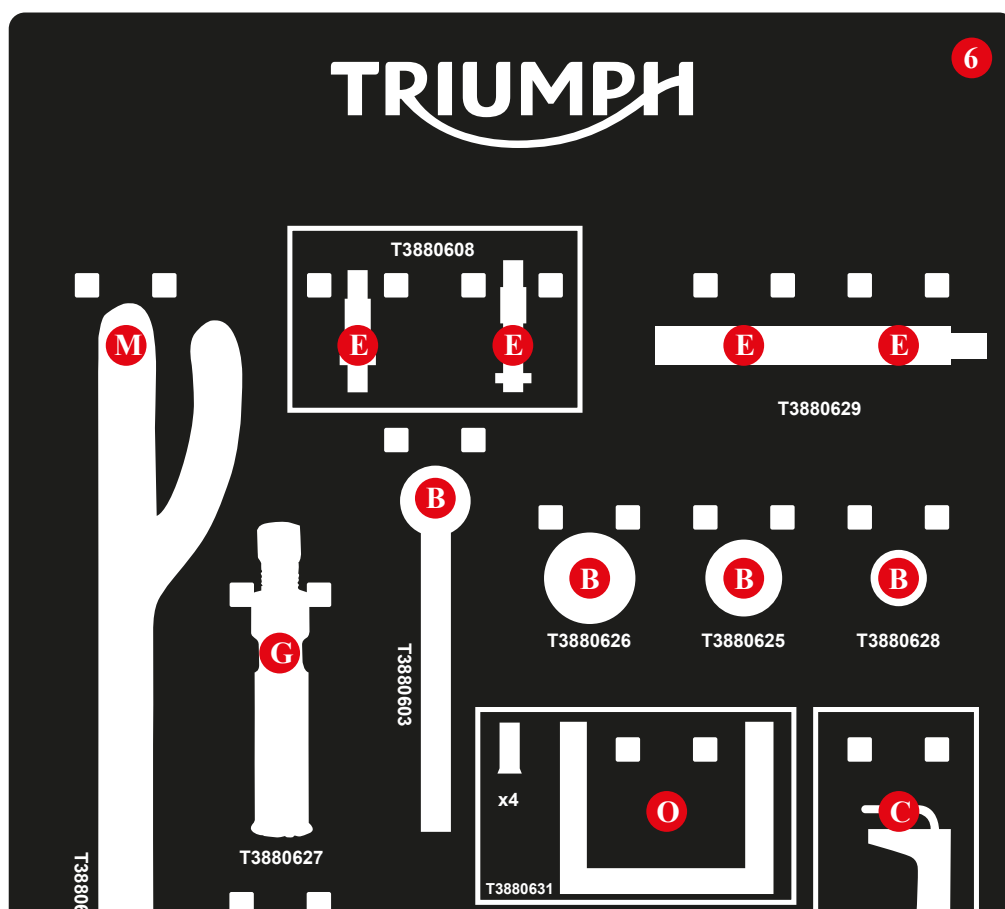


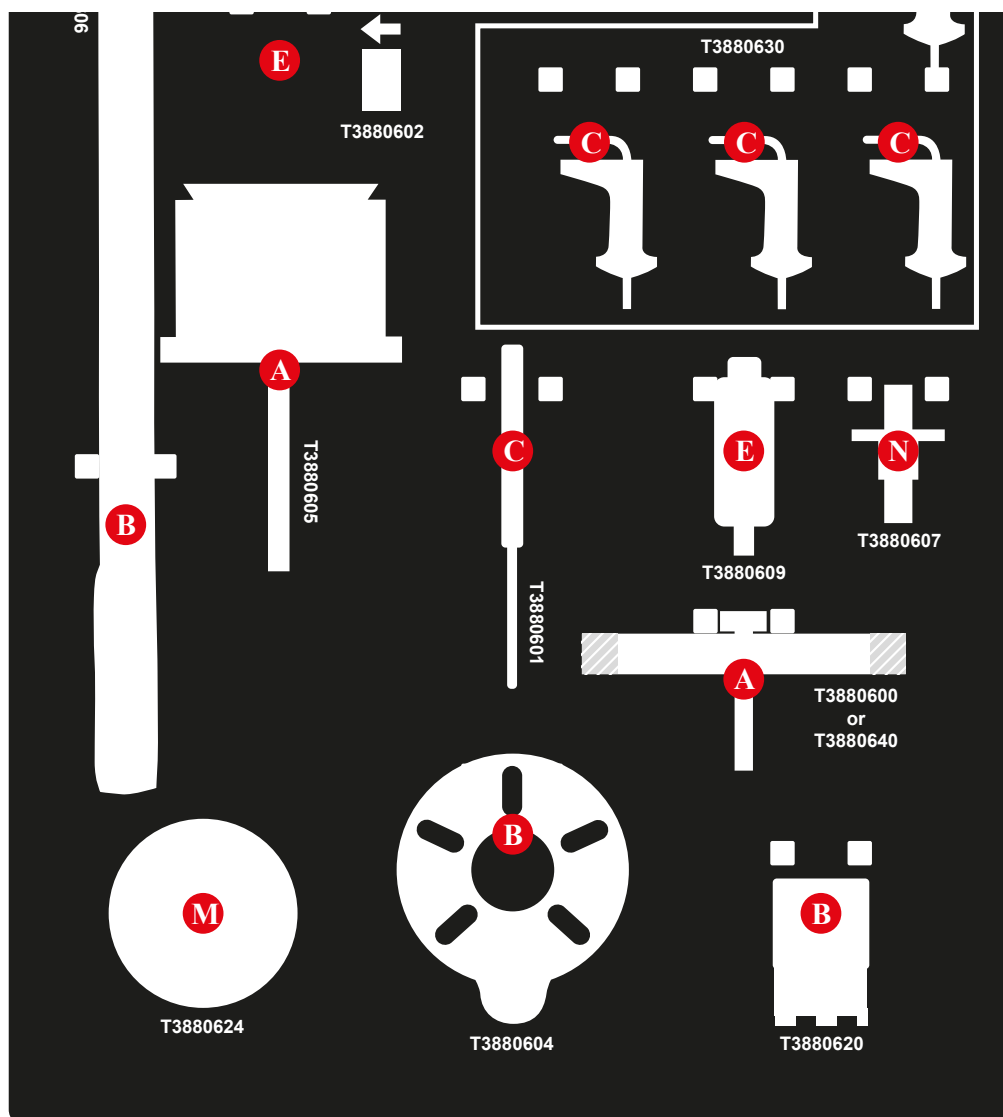
Tool Board 5



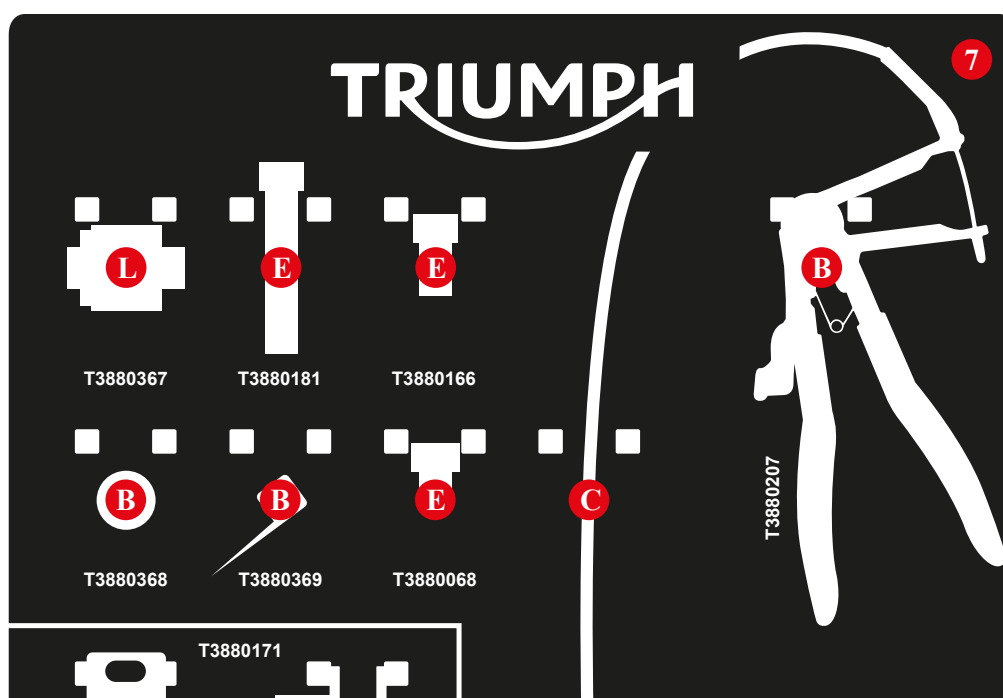


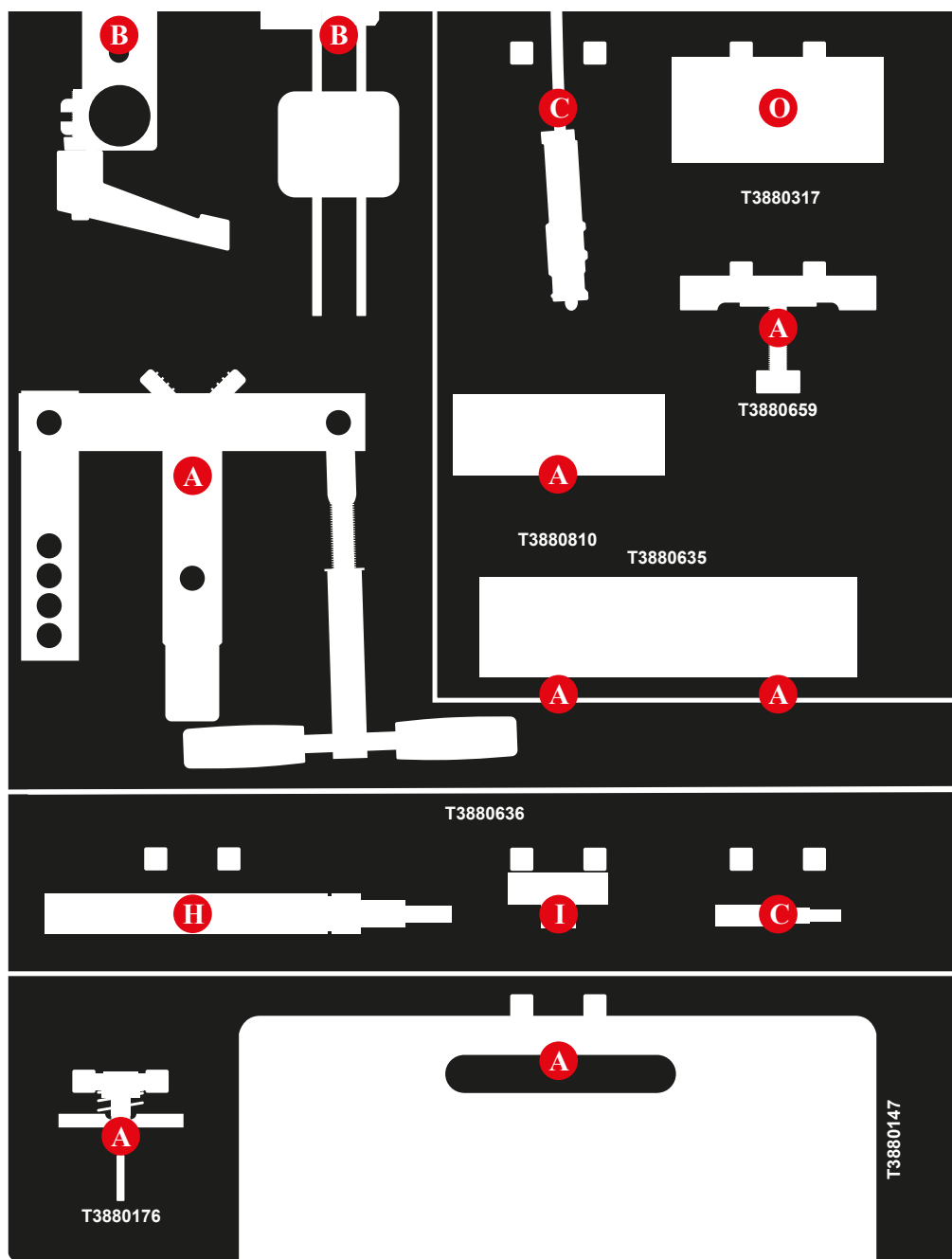
Tool Board 6



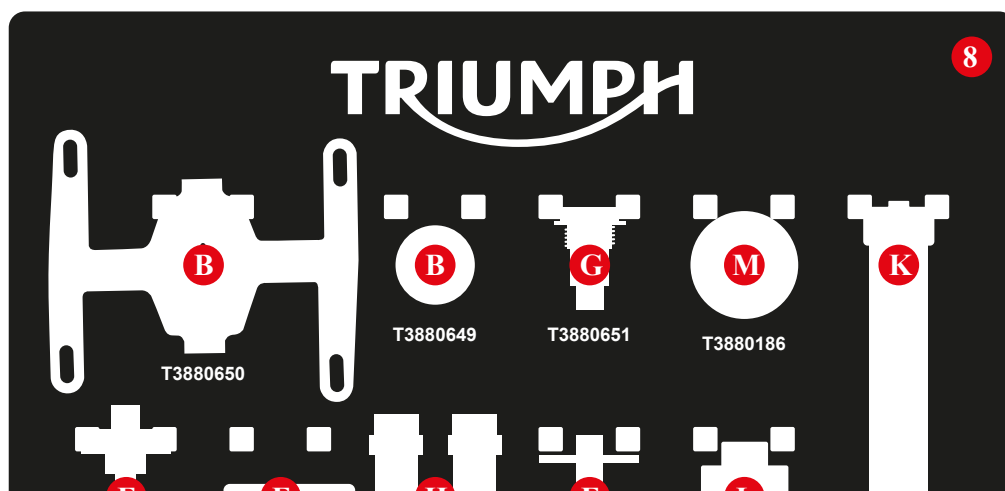


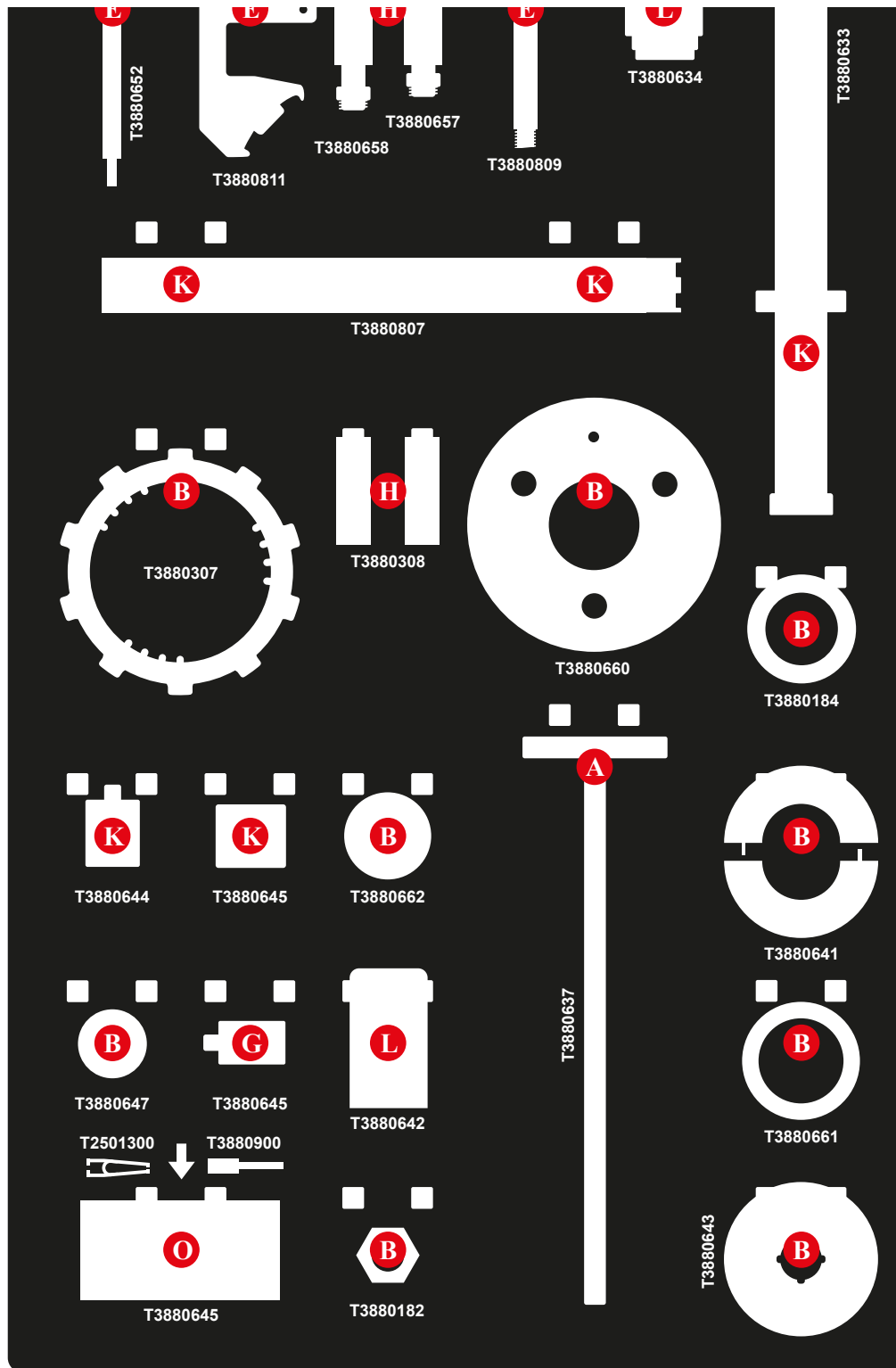
Tool Board 7





Tool Board 8





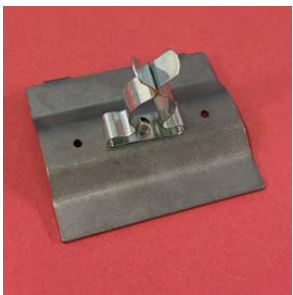
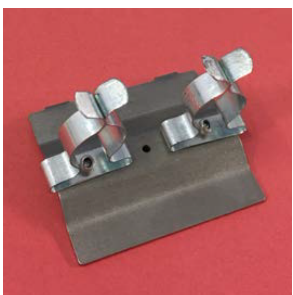
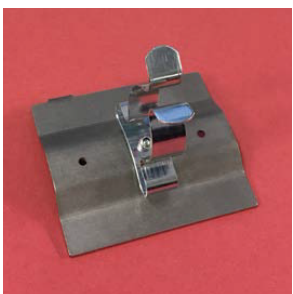
Appendix B - Tool Board Bracket Guide

Tool Board 1

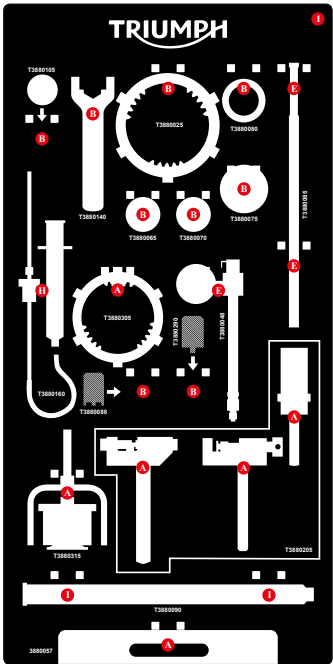


Triumph Tool Board 1

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	6
	B	Single prong	9
	E	16mm clip - single	2
	H	19mm clip - double	1
	I	25mm clip - single	2

1

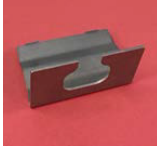
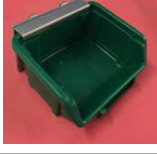


Tool Board 2

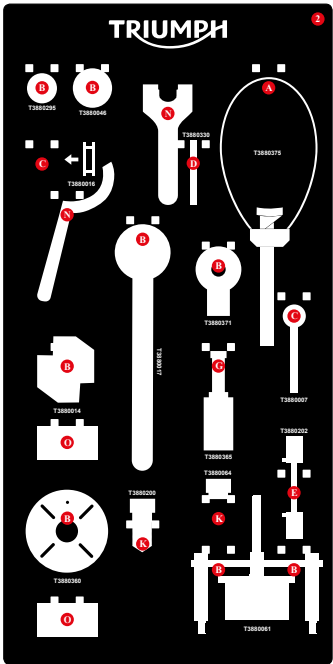


Triumph Tool Board 2

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	1
	B	Single prong	8
	C	10mm clip - single	2
	D	10mm clip - double	1
	E	16mm clip - single	1
	G	19mm clip - single	1
	K	32mm clip - single	2
	N	Slotted bracket	2
	O	Bracket with tray	2

2

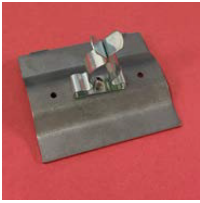
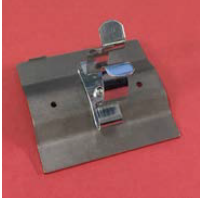
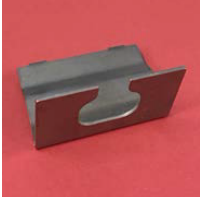


Tool Board 3

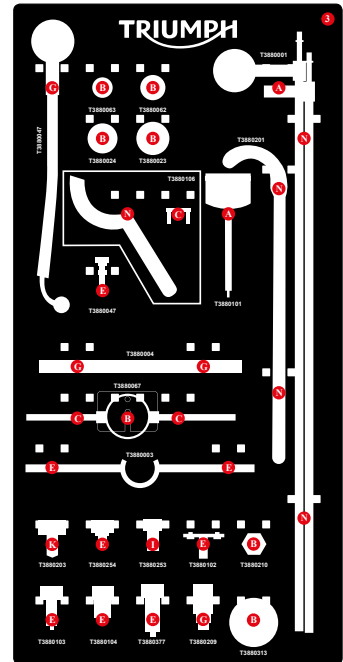


Triumph Tool Board 3

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	2
	B	Single prong	7
	C	10mm clip - single	3
	E	16mm clip - single	8
	G	19mm clip - single	4
	I	25mm clip - single	1
	N	Slotted bracket	5

3

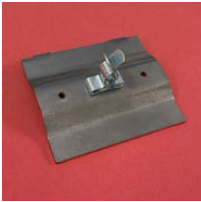
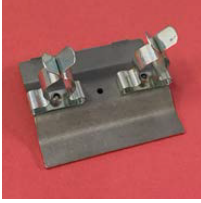
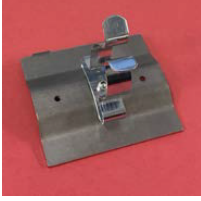
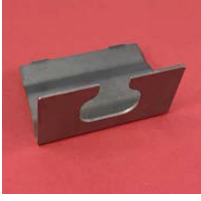


Tool Board 4

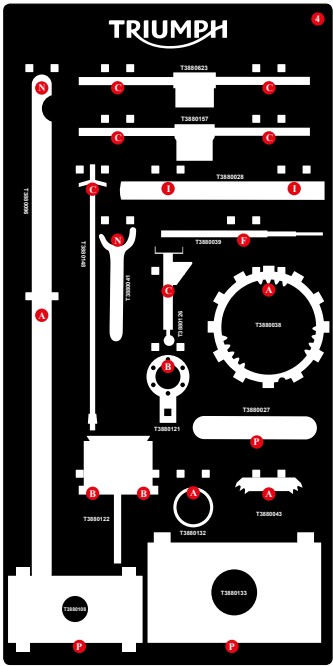


Triumph Tool Board 4

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	4
	B	Single prong	3
	C	10mm clip - single	5
	F	16mm clip - double	1
	I	25mm clip - single	2
	N	Slotted bracket	2
	P	Tool shelf	3

4

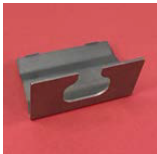


Tool Board 5

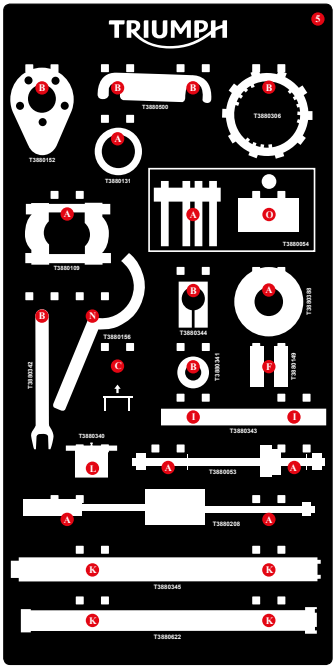


Triumph Tool Board 5

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	8
	B	Single prong	7
	C	10mm clip - single	1
	F	16mm clip - double	1
	I	25mm clip - single	2
	K	32mm clip - single	4
	L	38mm clip - single	1
	N	Slotted bracket	1
	O	Bracket with tray	1

5

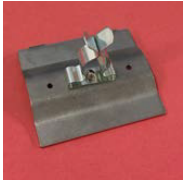


Tool Board 6

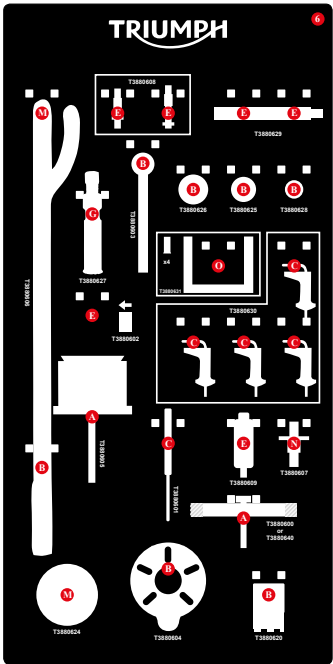


Triumph Tool Board 6

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	2
	B	Single prong	7
	C	10mm clip - single	5
	E	16mm clip - single	6
	G	19mm clip - single	1
	M	Straight prong	2
	N	Slotted bracket	1
	O	Bracket with tray	1

6

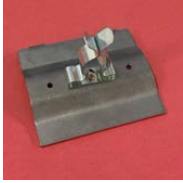


Tool Board 7

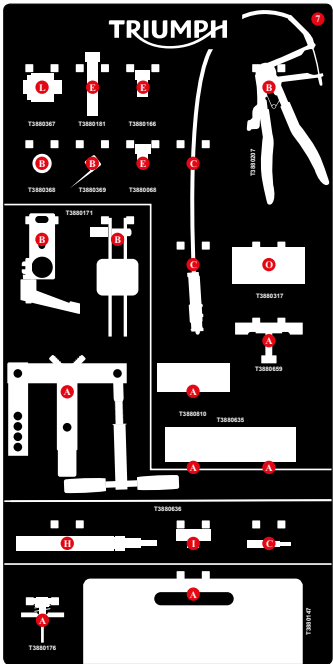


Triumph Tool Board 7

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	7
	B	Single prong	5
	C	10mm clip - single	3
	E	16mm clip - single	3
	H	19mm clip - double	1
	I	25mm clip - single	1
	L	38mm clip - single	1
	O	Bracket with tray	1

7



Tool Board 8



Triumph Tool Board 8

Brackets Guide

Image	Code	Item Description	Quantity
	A	Double prong	1
	B	Single prong	11
	E	16mm clip - single	3
	G	19mm clip - single	2
	H	19mm clip - double	2
	K	32mm clip - single	6
	L	38mm clip - single	2
	M	Straight prong	1
	O	Bracket with tray	1

8

