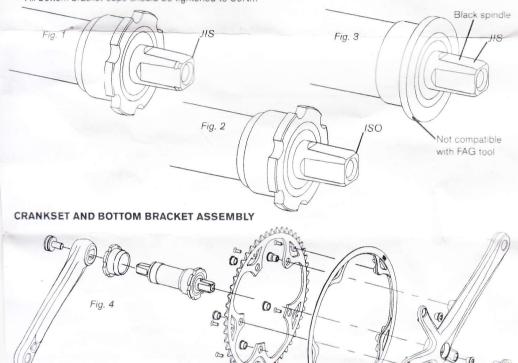
CRANKSET AND BOTTOM BRACKET

IMPORTANT INFORMATION

- In January 2013 a new crankset was introduced with detachable chainrings, this crankset is designed to mount
 to a JIS taper bottom bracket, it is not compatible with ISO bottom brackets
- We recommend using the 'fixed chainring' crankset (pre 2013) with a 119mm ISO bottom bracket spindle, if using ISO cranks with a JIS spindle, tighten to 40Nm
- Crank bolts and pedals should be tightened to 30Nm and chaining bolts to 10Nm; these must be re-checked after approximately 50 miles of riding

BOTTOM BRACKET COMPATIBILITY

- The FAG branded JIS bottom bracket (fig. 1) has a notch at the end of the spindle, whereas the FAG branded ISO bottom bracket does not (fig. 2)
- FAG bottom brackets use a 6 point tool to fit and remove the cups, additionally the newer JIS bottom brackets will accept a 20 spline Shimano style BB tool
- In 2015 a new Stronglight JIS was introduced (fig. 3), this can be identified by the black spindle and lack of external notches on the cup, this bottom bracket accepts a 20 spline tool only
- The 5 bolt crankset (fig. 4) is only compatible with a JIS bottom bracket (fig. 1, 3)
- All bottom bracket cups should be tightened to 30Nm



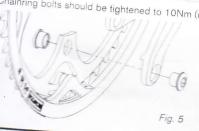
CHAINRINGS & CHAINRING BOLTS

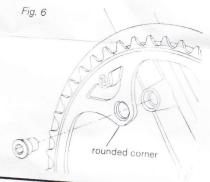
Chainrings are available in 44t, 50t and 54t sizes and all use the same two-part chainring bolts to mount them to the crank arm (fig. 5). It is very important to use the correct size chaining bolts to ensure a secure connection.

The fifth chainring bolt on the back of the crank (fig. 6) is only available from Brompton. Do not use alternatives as it

The counterbored features around the chainring holes must face n, towards the centre of the bike, otherwise the slotted nuts may protrude and foul the frame. The bolt hole with the adjacent rounded corners (fig. 6) should align with the back of the crank.

Chainring bolts should be tightened to 10Nm (max).





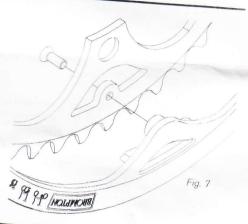
CHAINGUARDS

Chainguards are an important part of the folding function, as they interact with the front mudguard stay during the fold. Removing the chainguard will compromise the integrity of the folded package.

Chainguards are retained with five self taping countersink screws and can be fitted while the crankset is attached to the bike (fig. 4 & 7). Using incorrect screws may damage the guard or fail to provide a secure fit.

Repeated removal and refitting may cause the screws to become less effective, so is best avoided.

When fitting the chainguard ensure all screw heads are sush to the inside face of the chainring.



CHAINS

rompton chainrings all have a 2mm tooth thickness best suited for 3/32" chains but 1/8" chains can also be used. ways use a 1/8" chain if a 1/8" sprocket is fitted to the rear wheel. Sprockets should be replaced when fitting a ew chain, as both parts will wear during use and a new chain will not engage properly with a worn sprocket.

orrect chain length is essential for a smooth running drive train and trouble free folding of the bike. The table bew shows the number of links required for the different chainwheel and sprocket combinations fitted by Brompton,

hainring	Sprocket size	Chain length	s	ons fitted by Brom
54t	12 or 13t	100 links	procket stack sizes (2 and 6 speed)	Chain I
50t	12 or 13t	98 links	12/16t, 13/16t, 13/15t	Chain length
44t	12 to 14t	96 links	12/16t, 13/16t, 13/15t	102 links
			12/16t, 13/16t, 13/15t	98 links