

Shifter carrier

The carrier holds ratchet mechanism that lets you shift up and down with a toe flick.

34489-52
1952-1970

34489-52A
1971

34494-72B
1972-1978

334494-74C
1979-1984



The Iron Sportster trap door assembly holds the mainshaft, countershaft, and shifter mechanism.



The Iron Sportster shifter comes as the 34009-52 assembly.

34489-52
1952-1970



The early style carrier used plungers to ratchet the shifter plate.

34489-52 (cont)



The early carrier has a retainer and screw.

34489-52A
1971

Unknown change, probably minor.

34494-72



Some carriers have the 34490-72 casting part number on the "anchor". This one has a square pin like the -52 part. That means this is likely the -72 or -72A version of the part.



The side facing front has a square pin that sits between two springs.

34494-72B
1972-1978



Note the round pin and added material so it can be pressed in.

34494-72B (cont)



34494-74C
1979-1984

Unsure what changes for this part.

Assembly views



The side that faces the rear of the bike.



This earlier -72 part has smaller diameters of the "hooks".

Assemblies (cont)



This later version, a -72A or -72B has larger diameter material on the hooks where they mount to the carrier. There are comparative pictures in the page for those parts.