

Shifter fork

The two shifter forks come in longer and shorter versions to help set up the tranny.

1952

34291-52

1954-1969

34291-52A

70-78

34291-52B stock

34292-72 +0.020

34293-72 -0.020

1979

34291-52C stock

34292-72A +0.020

34293-72A -0.020

The 70-78 forks should retrofit all other years.

1984

34294-84 +0.010

34295-84 -0.010

34296-84 +0.005

34297-84 -0.005

Not sure if these -94 forks will retrofit.



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



A selection of Iron Sportster factory and aftermarket shifter forks. They were a steel weldment from 1952 to 1969, and bronze forging thereafter (info courtesy Dr Dick).

34291-52 (2)

1952-1953 (two)

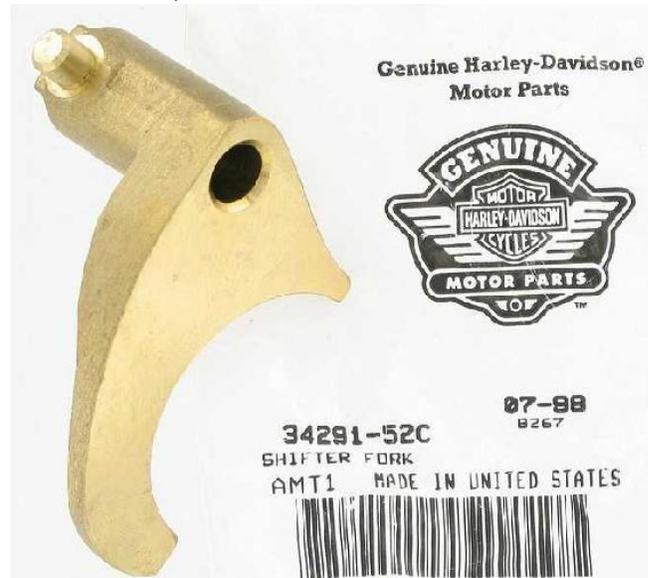
3-piece steel weldment

34291-52A (2)

1954-1969 (two)

Sportster 34291-52A shifter-fork,
1954-1969Stronger 3-piece steel weldment
(courtesy epinut)**34291-52B**1970-1978 (two), will retrofit to 1954,
perhaps 1952Sportster 34293-72 (left), 34291-52B
(right) shifter-forks made from bronze.**34292-72 +0.020**1970-1978, will retrofit to 1954, perhaps
1952In 1972 Harely introdced longer and
shorter forks to help mechanics set up the
proper gear spacing.**34293-72 -0.020**1970-1978, will retrofit to 1954, perhaps
1952You can use this shorter fork to set up the
transmission gear spacing. (courtesy Jan
Willem Boon)**34291-52C**

1979-1984, should retrofit earlier bikes

Sportster 34291-52C shift-fork 1979-1984,
unknown difference to the -52B part.
(courtesy Jan Willem Boon)

34292-72A +0.020

1979-1984, should retrofit to earlier bikes



(courtesy Jan Willem Boon)

34293-72A -0.020

1979-1984, should retrofit to earlier bikes



(courtesy Jan Willem Boon)

34294-84 +0.010

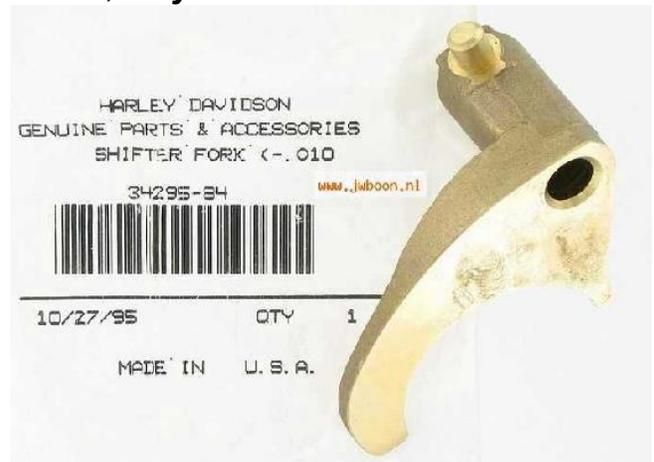
L1984, *may* retrofit to earlier bikes



(courtesy Jan Willem Boon)

34295-84 -0.010

L1984, *may* retrofit to earlier bikes



(courtesy Jan Willem Boon)

34296-84 +0.005L1984, *may* retrofit to earlier bikes

(courtesy Jan Willem Boon)

34297-84 -0.005L1984, *may* retrofit to earlier bikes

(courtesy Jan Willem Boon)

Aftermarket shifter

Steel casting

Will retrofit to 1954, perhaps 1952



Sportster 34293-72 shifter-fork made from steel by an unknown company.

Trock bronze

(not in production)



This is a bronze aftermarket 34291-52B shifter fork made by drag racer Ron Trock. It appears to be ground to achieve clearance to the gears.