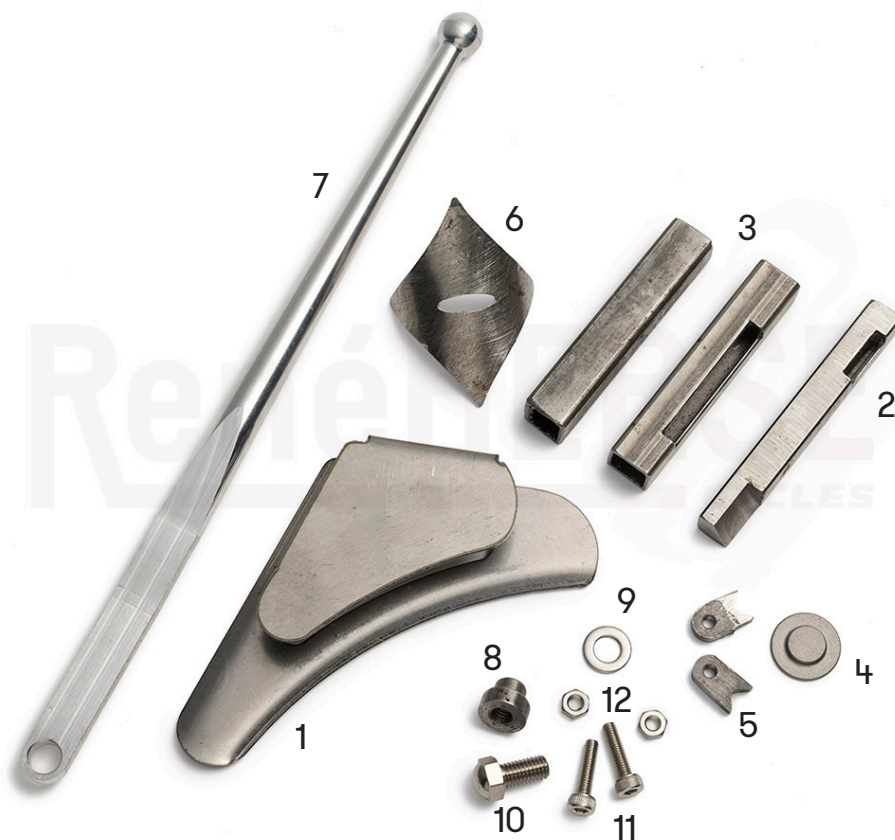


## RENE HERSE FRONT DERAILLEUR

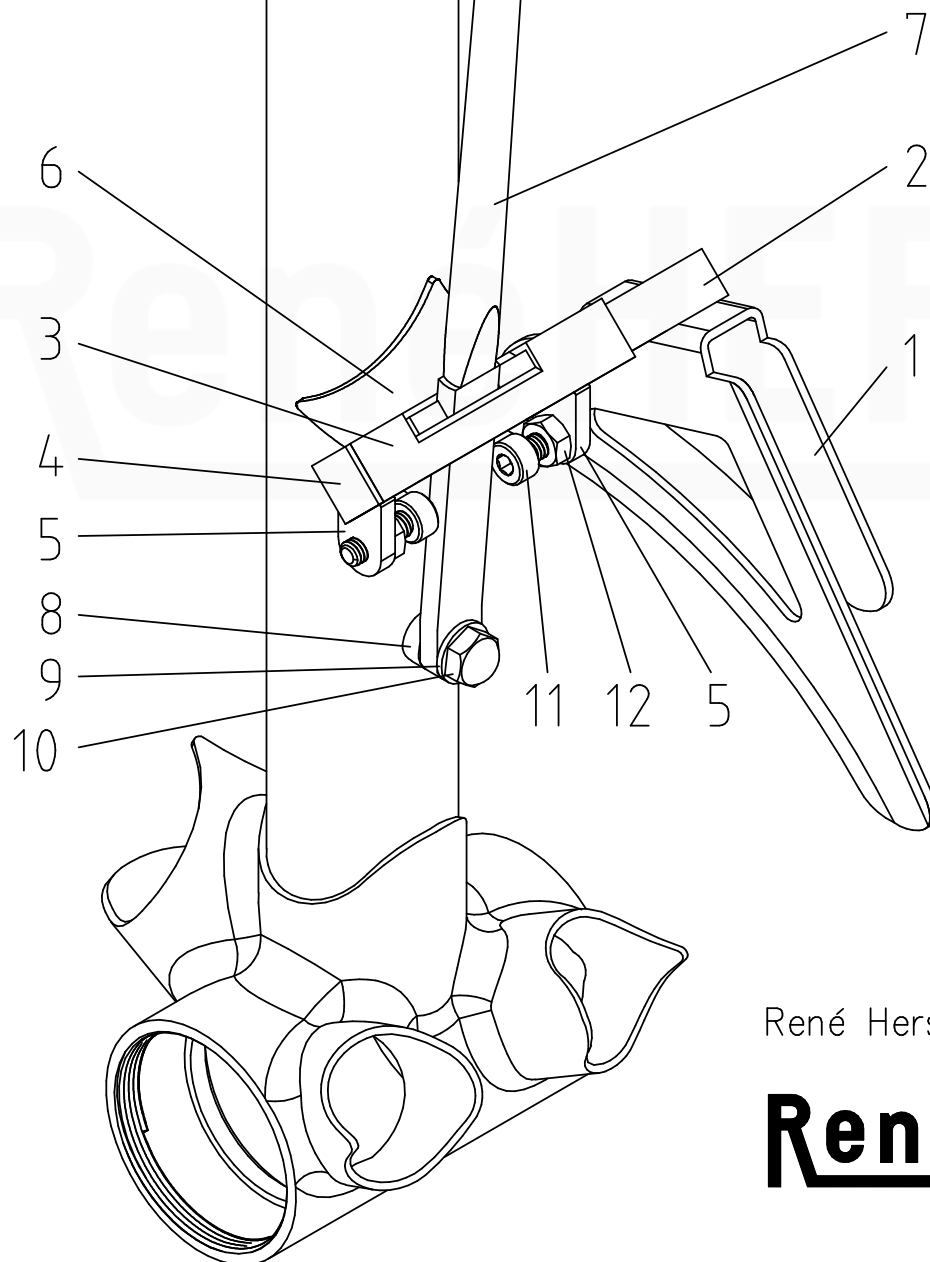
- Version 2025\_08\_21



### ***Before you start***

- The parts of the Rene Herse front derailleur must be brazed together and attached to the frame. It is easy to distort the parts and/or the frame during brazing. Please have this job carried out by a competent, experienced framebuilder.
- For the square tube (3) that goes onto the seat tube and guides the derailleur, we provide two: One has the slot already machined, which requires ultra-careful brazing to prevent distortion, the other is solid and more forgiving—you cut the slot after it's on the frame.
- The end cap (4) that closes the left side of the square tube is supplied round rather than square: It tends to rotate when it's brazed on. The builder files it square after it's brazed-on, with a few file strokes.
- The Lever Pivot Bolt (10) should be shortened, so it does not bottom out against the seat tube.
- We strongly recommend using our jigs to assemble the parts:
  - The Shifter Jig holds the shifter fork (1) on the square shaft (2).
  - The Frame Jig locates square tube (3) and lever pivot (8) on the frame.

Pos.	Designation	Pieces
1	Shifter Fork 9 mm	1
2	Square Shaft	1
3	Outer Square Tube	1
4	End Cap	1
5	End Stop	2
6	Braze-on Rhombus	1
7	Shiftlever	1
8	Lever Pivot	1
9	Washer M5	1
10	RH Bolt M5	1
11	Socket Head Screw M3x12	2
12	Hex Nut M3	2



René Herse Front Derailleur

**RenéHERSE**

## RENE HERSE FRONT DERAILLEUR SHIFTER FORK JIG

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- Remove the two Screws (45) and remove the Clamping Plate (40C).
- Load the Shifter Fork (1) into the jig so it fits onto the Center Part (41).
- Reassemble the jig with the Shifter Fork installed.
- Remove the Nut (49) and Washer (50).
- Load the Square Shaft (2) into the jig.
- Reassemble the jig.
- Braze the Square Shaft (2) onto the Shifter Fork (1).

Square Shaft

Braze here

Shifter Fork

40B

45

47

44

40D

Square Shaft

Shifter Fork

48

49

50

49

50

40E

42

43

40D

46

41

40C

45

40A

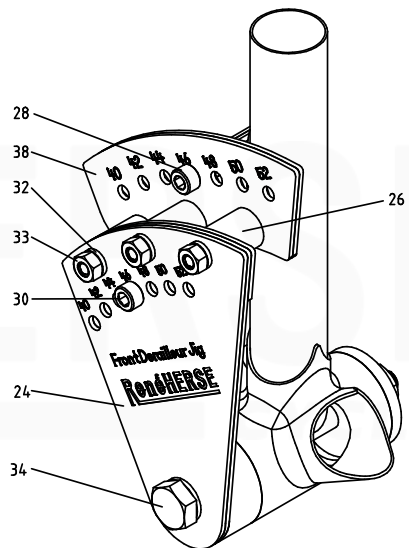
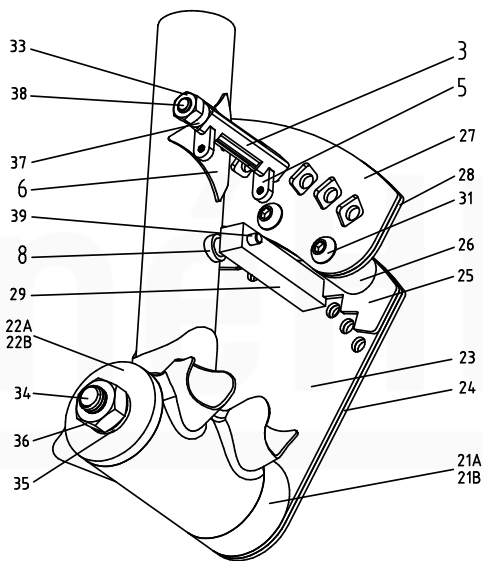
Pos.	Designation	Pieces / Jig
40A	Base Plate	1
40B	Support Plate	1
40C	Clamping Plate	1
40D	Inner Support	1
40E	Bolt Holder Support	1
41	Center Part	1
42	Distance Bushing $\varnothing 10/5 \times 15.6$	2
43	Distance Bushing $\varnothing 10/5 \times 21.4$	2
44	Socket Head Screw M5x55	2
45	Socket Head Screw M5x40	2
46	Nut M5	4
47	Washer M5	2
48	Hex Head Screw M4x25	1
49	Nut M4	2
50	Washer M4	2

## RENE HERSE FRONT DERAILLEUR FRAME JIG

- Version 2025\_08\_21

Front Derailleur		
Pos.	Designation	Pieces
3	Outer Square Tube	1
5	End Stop	2
6	Braze-on Rhombus	1
8	Lever Pivot	1

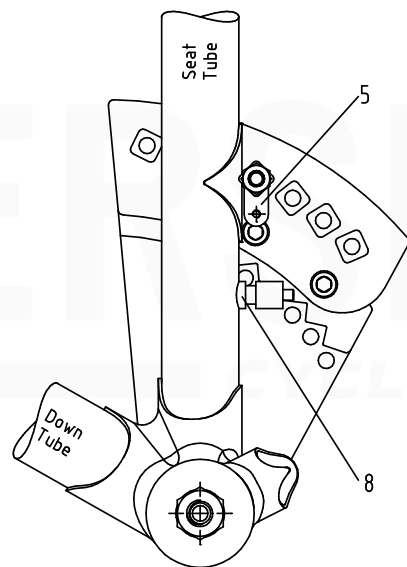
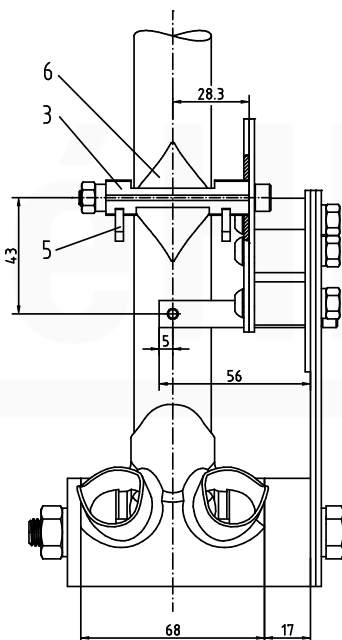
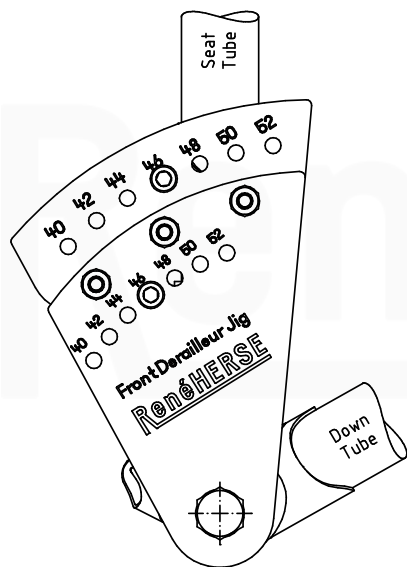
Front Derailleur Jig		
Pos.	Designation	Pieces
21A	Centerpart Right BSC	1
21B	Centerpart Right RH	1
22A	Centerpart Left BSC	1
22B	Centerpart Left RH	1
23	Inner Base Plate	1
24	Outer Base Plate	1
25	Saw Tooth Plate	1
26	Distance Bushing $\phi 16/6 \times 18.7$	3
27	Upper Inner Plate	1
28	Upper Outer Plate	1
29	Lever Pivot Holder	1
30	Screw M6x12	1
31	Bottom Head Hex Screw M6x35	3
32	Washer M6	3
33	Nut M6	4
34	Screw M10x110	1
35	Washer M10	2
36	Nut M10	1
37	Bushing for Square Tube	1
38	Screw M6x65	1
39	Pin $\phi 4 \times 20$	1



Side View  
from right

Rear View

Side View  
from left



Jig shown in the drawing is  
adjusted for 46 teeth chainring.

- For illustration purposes, the drawing shows both Lever Pivot (8) and Square Shaft (2) loaded into the jig together. We recommended brazing them separately.
- Install the jig in the bottom bracket shell. Use parts 21A and 22A for BSC bottom bracket shells. Use 21B and 22B for Rene Herse bottom bracket shells with pressed-in bearings.
- Install the Lever Pivot Holder (29) in the square notch on the Inner Base Plate (23) that is marked with the desired chainring size.
- Use the Pin (39) of the Lever Pivot Holder (29) to locate the pivot (1) for the shift lever.
- Rotate the jig so the Shift Lever Pivot (1) sits flush against the seat tube. We recommend filing the Pivot to match the diameter of the seat tube.
- Braze the pivot (1) onto the seat tube.
- Remove the Lever Pivot Holder (29) from the jig.

- Braze the two End Stops (5) onto the bottom of the Outer Square Tube (3)
- Install the Outer Square Tube (3) in the square hole in the Upper Inner Plate (27) that is marked with the desired chainring size.
- Place the Braze-On Rhombus (6) onto the seat tube.
- Rotate the jig until the Square Outer Tube (3) rests in the slot of the Braze-On Rhombus (6).
- Braze Rhombus and Square Outer Tube onto the seat tube.
- Remove the jig.
- Check that the Inner Shaft (2) slides easily into the Square Outer Tube (3).
- Braze the round End Cap (4) onto the left end of the Square Outer Tube (3). File the overhanging edges of the End Cap to match the shape of the Square Outer Tube.

