

SW Motech Crash Bars
 On
 2011 KLR650



- #2 Front Frame Flanged spacer
- #3 Front Frame Rubber grommet
- #4 Front Frame spacer
- #5 Front Frame M8x120 bolt
- #6 Front Frame 8.4 washer
- #7 Sub Frame M10x1.25 x70 bolt
- #8 Sub Frame 10.5 washer
- #9 Sub Frame Spacer
- #10 Foot Peg M8x30 bolt
- #11 Foot Peg 8.4 washer
- #12 Optional for if using SW Motech center stand

SW Motech Crash Bars
On
2011 KLR650
Removal Sequence

1-Rear Side Covers

2-Seat

3-Remove 2 (10mm) gas tank bolts (at rear of tank)

4-Remove Right & Left lower faring bolts. (see Fig. 1) **NOTE: Don't loose spacer under Phillips screw.**
(8mm socket & Phillips driver)

5-Lift rear of gas tank about 1 3/4" and
block it up with a small piece of 2x4 or equivalent.

6-Remove Left & Right foot peg mtg. Bolts. (12mm socket)
(Discard will be replaced)

7-Remove the 2 front frame mounting bolts. (see Fig's.2 & 3)
(Discard the bolts, but keep the nuts.)

8-Remove Sub frame bolt with (8mm hex head Allen socket)
on the right side ONLY.(Fig's 4 & 5) (Discard bolt, not needed)

IMPORTANT

***Only remove 1 sub frame bolt at a time. Tighten the new bolt
before removing the other side.***

9-Insert Flanged Spacers & Rubber Grommets into both crash
bars as shown in (Fig. 4)

10-Position the right crash bar and align the sub frame mount to
the sub frame mounting hole. Refer to the included instructions
for positioning. (see Fig's. 4 & 5 on next page.)

Insert the #7 bolt with washer and spacer as shown in (Fig. 4)

**It helps to have some one hold the frame in place while attaching
the hardware.**

**NOTE: It may be necessary to gently pry the frame to align the
two frame holes so the bolt can be threaded properly.
Use flashlight to view hole alignment.**

(see (Fig. 5) on next page)

11-Align front frame mounting and insert 2 bolts, 4 washers, and
4 spacers as shown in (Fig's 2, 3 and 4)
Attach nuts as shown in (Fig.3) do not tighten yet.

12-Align right foot peg bar, foot peg assembly and insert bolts
and washers as shown in (Fig. 4)

13-Inspect all alignment, hardware position, and tighten all bolts
EXCEPT the front frame bolts. (Fig's 2, 3 & 4)
Torque to spec.

Foot Peg bolts = 34 Ft Lbs

Sub Frame bolt = 34 Ft Lbs

For installation of left bar, see page 4



Fig. 1

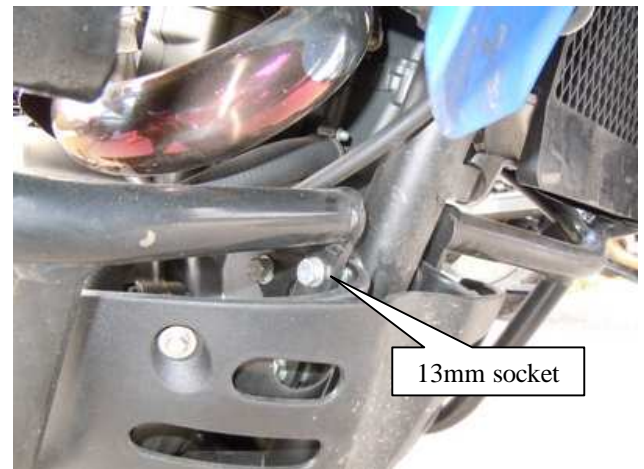


Fig. 2

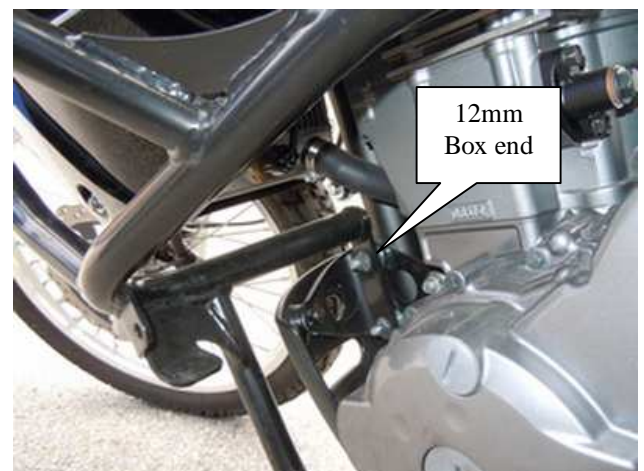


Fig. 3

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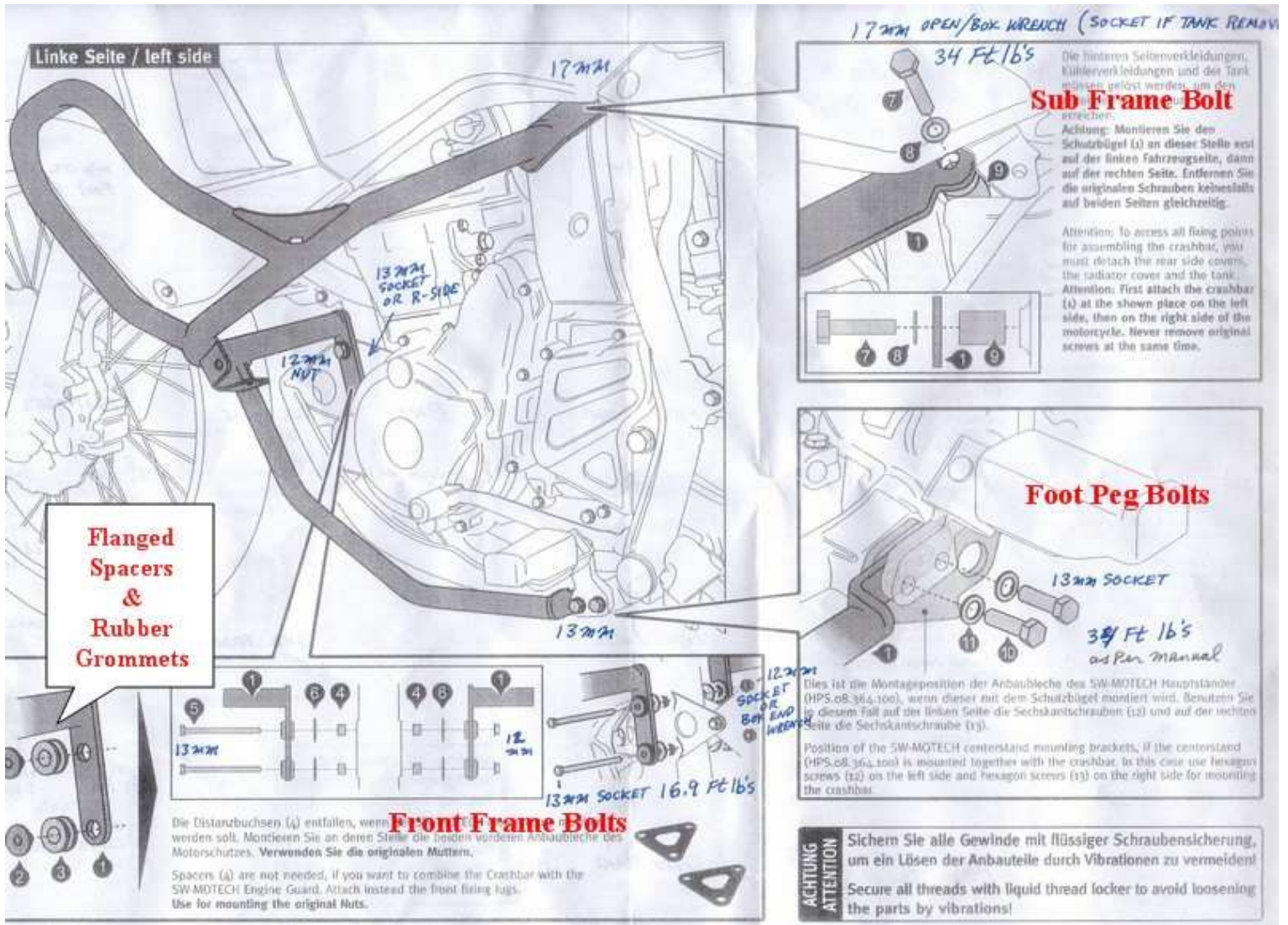


Fig. 4

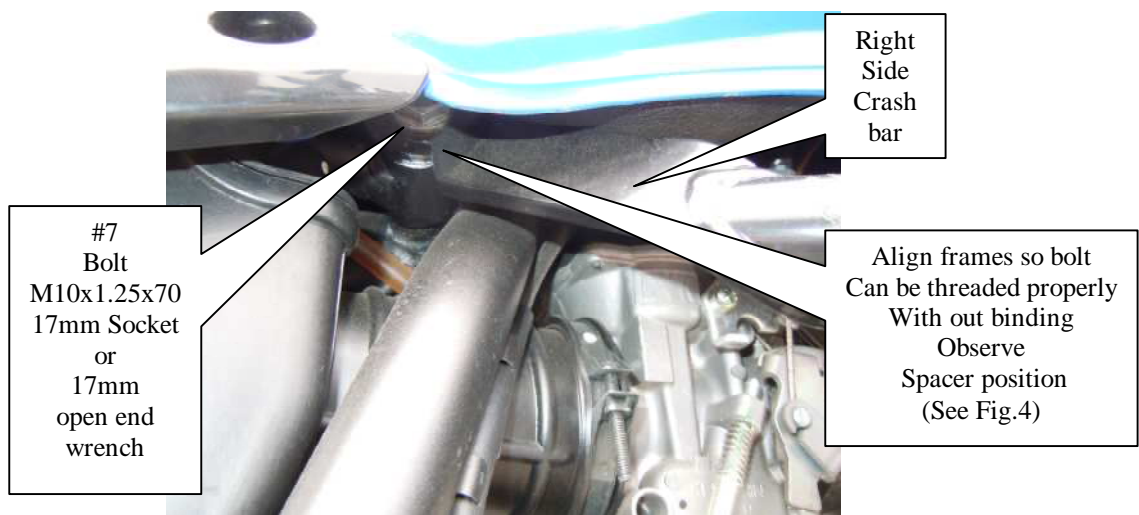


Fig. 5

Installation of Left Crash Bar (Continued from page 1):

IMPORTANT: Check that the previously installed Sub Frame bolt is tightened to it's proper torque before removing the left Sub Frame bolt.

14-Remove left foot peg assembly, and discard the bolts. (Not needed) (see Fig. 4)

15-Remove left Sub Frame bolt. (Discard, not needed) (8mm hex head Allen socket) (see Fig's 4 & 5)

16-Remove the Front Frame mounting nuts from the left side. (see Fig's 2, 3, & 4)

17-Position the Left Crash Bar and attach it to the Front Frame mounting screws. Observe both sides for spacers & washers as shown in (Fig. 4) Finger tighten nuts to temporarily hold in position.

It helps to have some one hold the frame in place while attaching the hardware.

18-Insert the left side Crash Bar to the left Sub Frame using the #7 Bolt (M10x1.25x70), washer, and spacer.
(17 mm socket or 17mm open end wrench) (see Fig. 4)

Make sure the bar and frame holes line up. Use a flash light to view alignment. Do not tighten yet.

19-Attach the crash bar to the left foot peg assembly. (using 2 M8-30 bolts, and 2 washers) (See Fig. 4)
(13mm socket)

20-Inspect all mounting points for correct hardware use, and fit. Tighten all bolts to proper torque.

Foot Pegs = 34 Ft Lbs

Sub Frame bolt = 34 Ft Lbs

Front Frame mounting bolts..... Right side of bike (13mm socket)

Left side of bike (12mm open or box wrench)

Torque to 17 Ft Lbs

21-Remove the block from under the gas tank, replace the bolts holding the rear of gas tank.

22-Install the seat and side panels.