



TUFx - FORT MANUFACTURING INC.

ASSEMBLY INSTRUCTIONS

BI135F CEMENT MIXER



DESIGNED TO WORK

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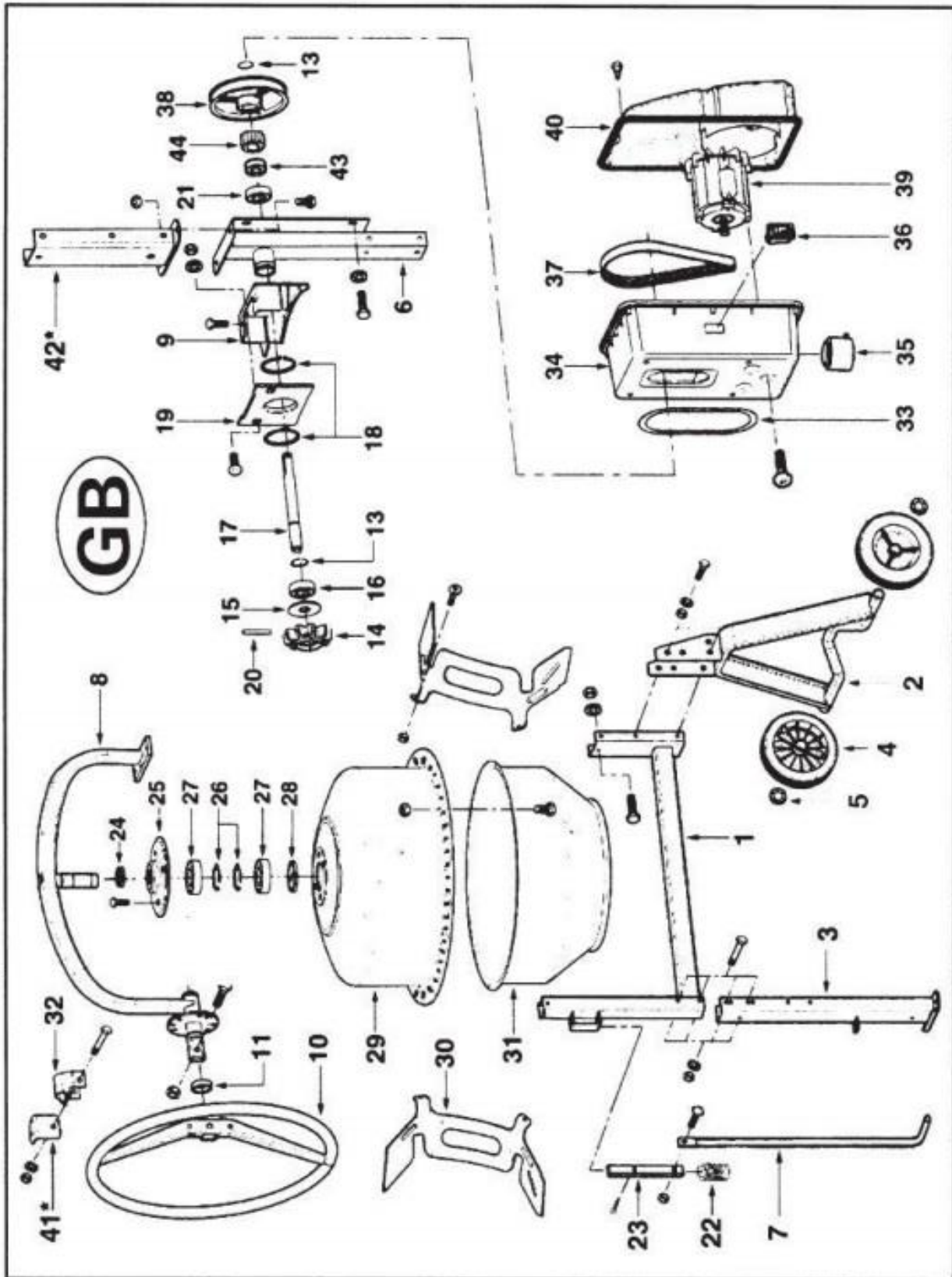


BI135F cement mixer's part's name, part number, bolts, nuts, and washer information with assembly drawing

Reference	Description	Figures
650349	Frame Upper Part	1
650350	Mixing Drum Compl. Without Bearing	29+31+ 6 sets of M6x16mm Hex Bolts, M6.0mm Nuts and washer dia. 6.0 mm
650351	Mixing Blade Compl.	30(2) + 4 sets of M8x25mm Oval bolts M8mm Nuts and washer dia. 8.0 mm
650352	Foot (Spring side Leg)	3+ 2 sets of M8x70 mm Hex Bolts, M8.0 Nuts and washer dia. 8.0 mm
650353	Foot (Leg with Wheels)	2+4(2) +5(2) + 4 sets of M8x25mm Hex Bolts. M8.0 mm Nuts and Washer dia. 8.0mm
650354	Mixing Drum bearing Compl.	24+25+26(2) +27(2) +28+ 4 sets of 0.75x1inch Hex bolts with 2 washers of 0.65 & 0.9inch dia.
650355	Motor Shaft Compl.	13(2) +14+15+16(2) +17+18(2) +20+21+ 8+43+44
650356	Pinion Guard Compl.	19+9+ 2 sets of 0.75x1 inch Hex bolts, 0.75inch Nuts and washer dia. 0.75 inch.
650357	Cover Support	6+ 4 sets of 0.5x1 inch Hex bolts 2.75inch Nuts and washer dia. 0.75 inch.
650358	Casing Lid	40+ 7 sets of Screws, 0.75inch long square drive pan head screws
650359	Cover Motor Compl. Without Motor	33+34+40+ 0.75-inch-long square drive pan head screw
650360	Plug	35
650443	Interrupter	36
650444	Motor 115V/60Hz	39
650363	Bracket Compl.	8
650364	Steering Wheel Compl.	10+11+32+ 1 set of M12x45mm Hex Bolts with M12.0 mm Nuts
650365	Locking System Compl.	7+22+23+ 1 set of M8x25mm Oval bolt, M8.0mm Nut and Washer dia. 8.0mm
401694	Belt PJ711	37
401636	Wheel diameter Ø200mm	4+5

Retrieved from Tufx-Fort Manufacturing Inc. (2021, March 11). *BI135F concrete mixer operation & parts manual Rev.D110228 page-13.*

* 41 and 42, for transport only.



Retrieved from Tufx-Fort Manufacturing Inc. (2021, March 11). *BI135F concrete mixer operation & parts manual Rev.D110228* page-13.

Steps to assemble BI135F Cement Mixer

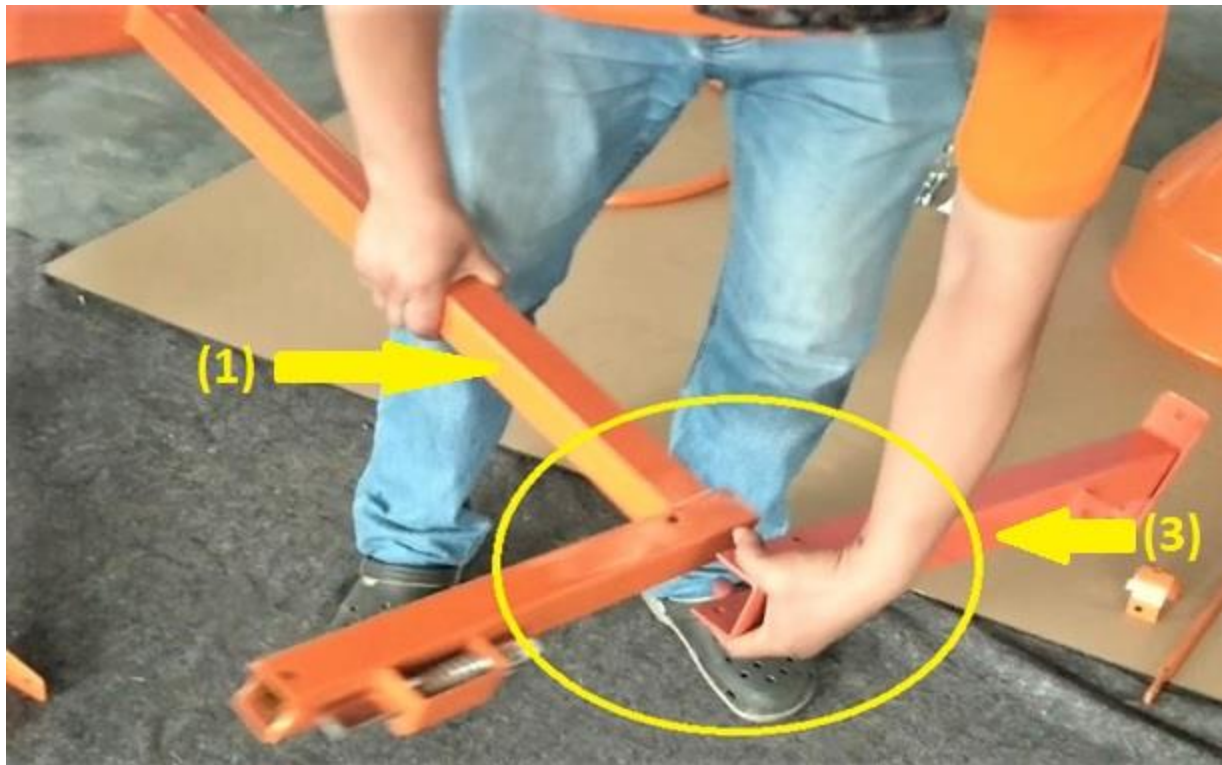
Step-1 Build leg(2) with wheel(4) of the BI135F Cement mixer, remove 2 sets of bolts provided from wheel axle. Check the picture given below.



Step-2 Insert wheels(4) on both sides of the legs(2) and fix it with bolts(5) which were removed from the wheel axle as shown in image below.



Step-3 Take the other leg(3) of cement mixer and insert it in upper frame part(1) of the mixer as following.

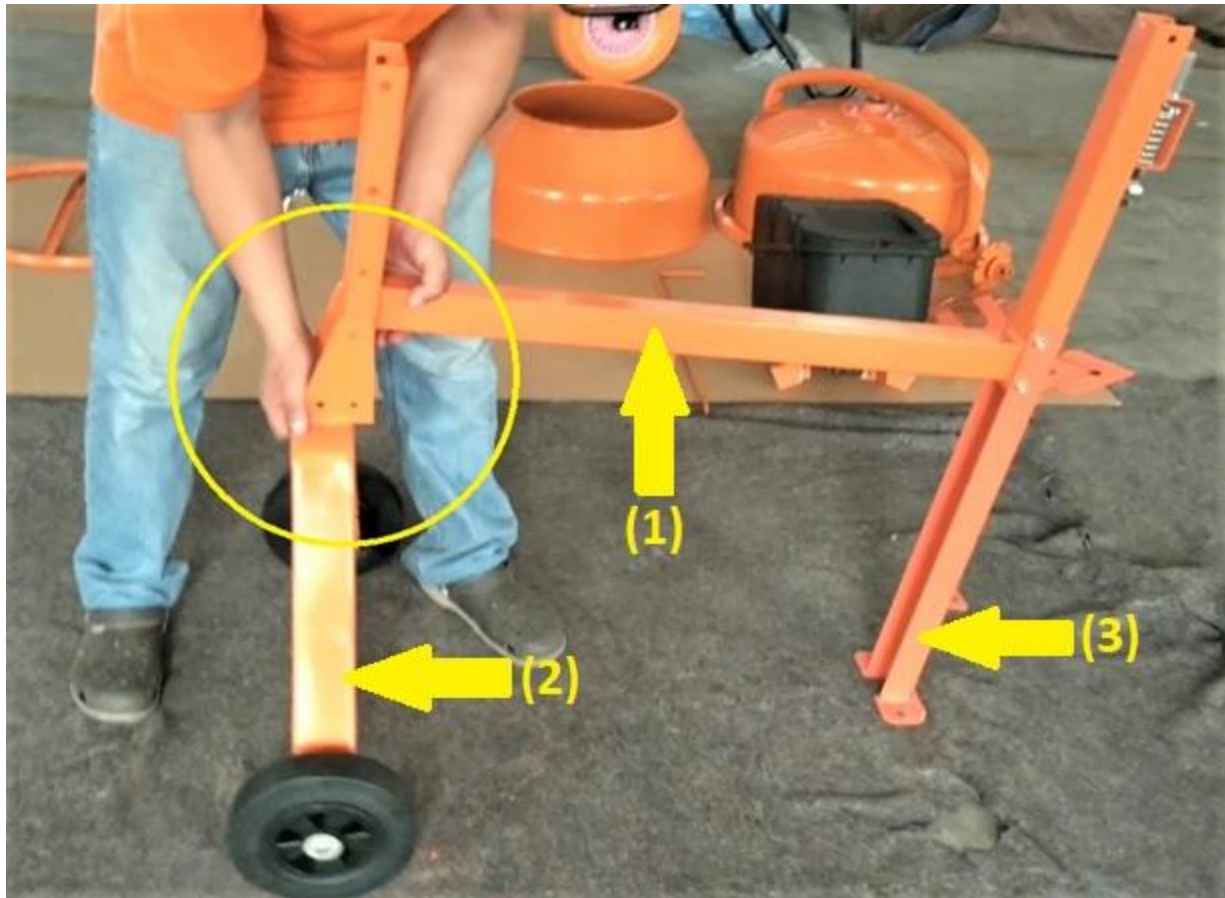


Step-4 Fix the leg(3) using 2 sets of M8X70mm HEX bolts and M8.0mm nuts with Washer of diameter 8.0mm as shown in picture below.

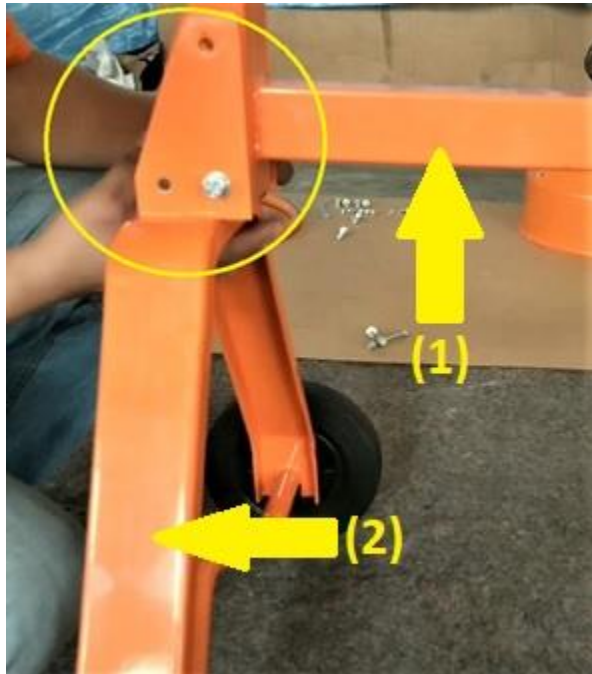




Step-5 Assemble leg(2) with wheels(4) to upper frame part(1) as following picture.

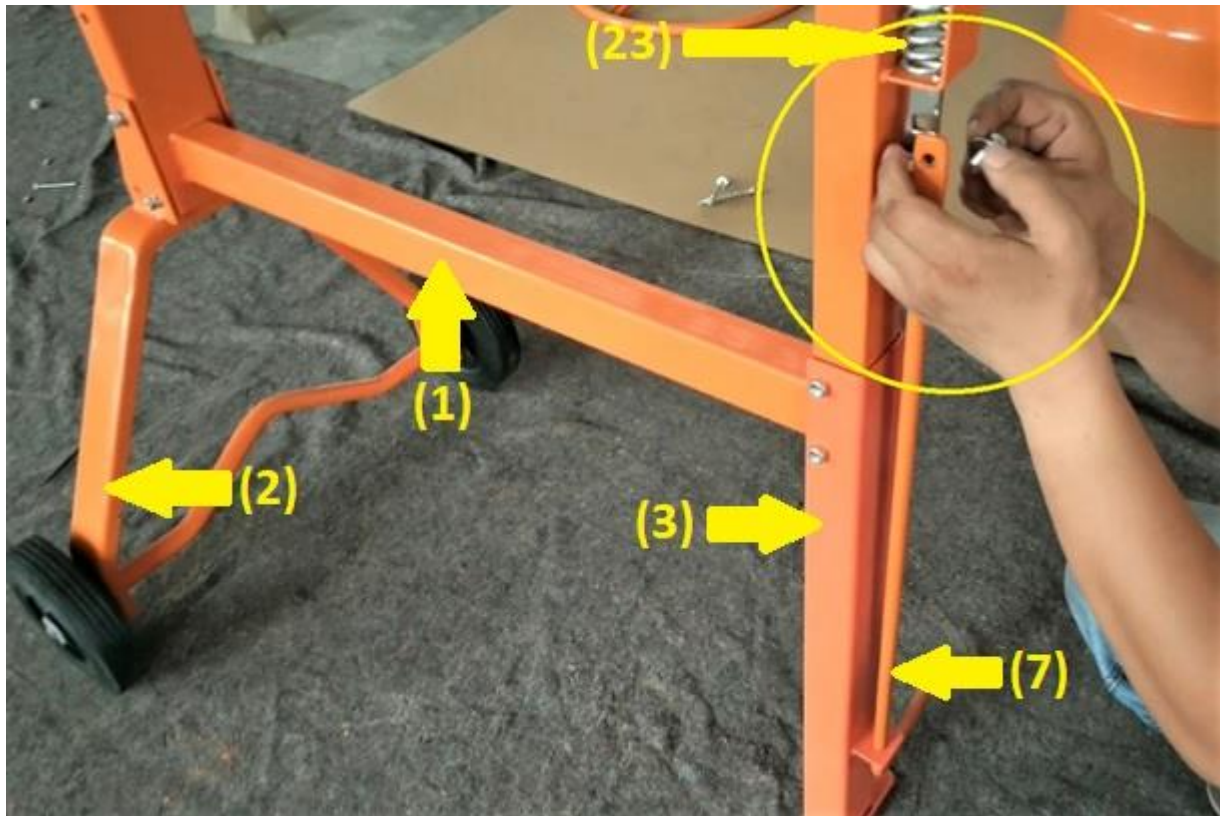


Step-6 Fix the leg(2) with wheels(4) using 4 sets of M8X25 mm HEX bolts and M8.0 mm nuts with washer diameter 8.0mm to the upper frame part(1) as shown in image below.



Step-7 After assembling the wheeled leg(2), attach the locking bar(7) to the spring(23) by 1 set of M8x25mm oval bolts and M8.0mm nuts with washer diameter 8.0mm.

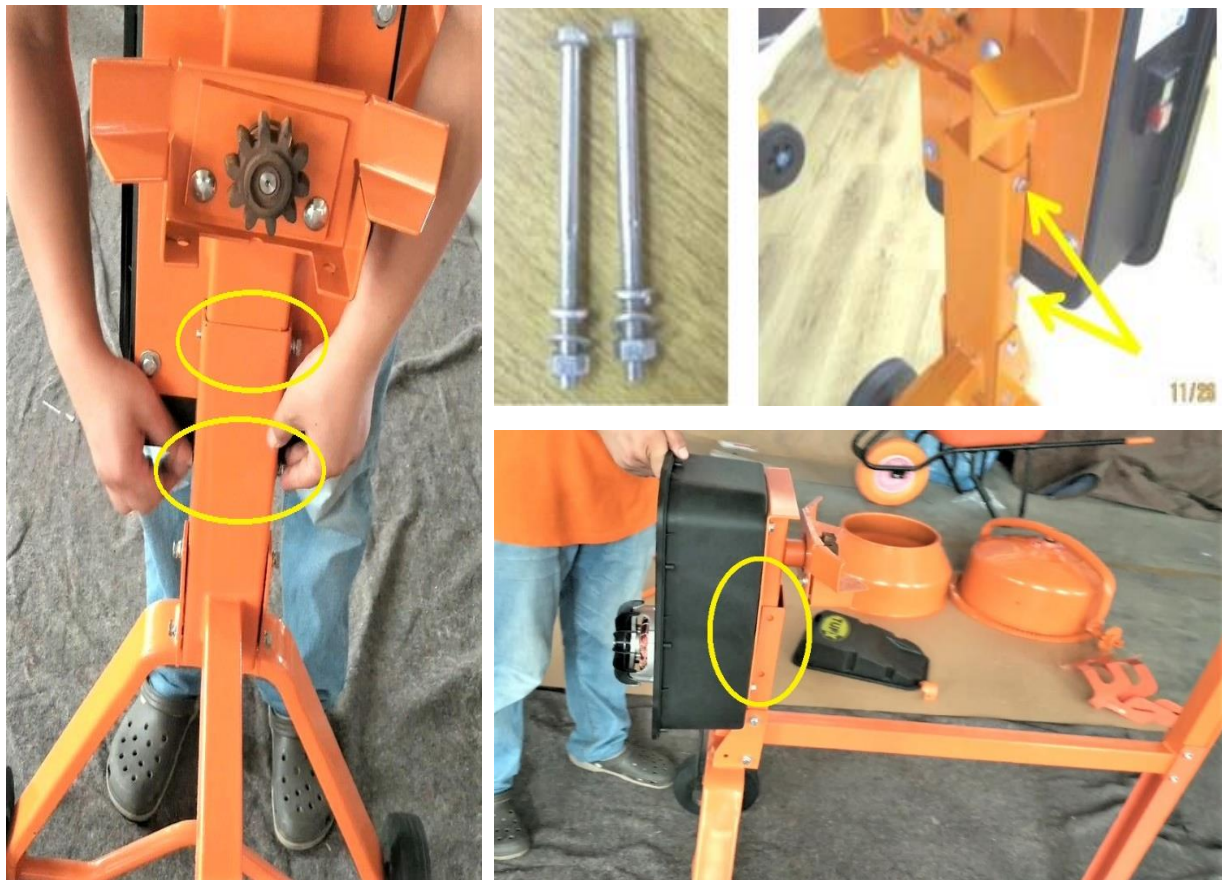




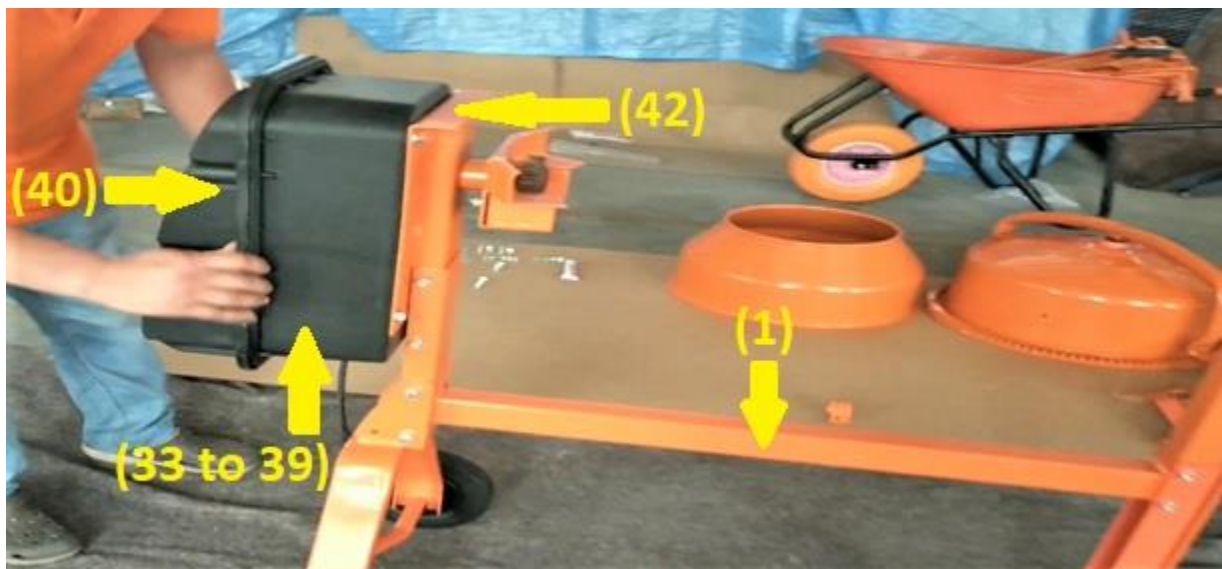
Step-8 Place Electric motor panel(33 to 39 & 42) on the wheeled leg(2) side of the frame.



Step-9 Fix the electric motor panel(33 to 39 & 42) with 2 sets of M8X100mm HEX bolts and M8.0mm nuts with washer diameter 8.0mm as shown in image below.

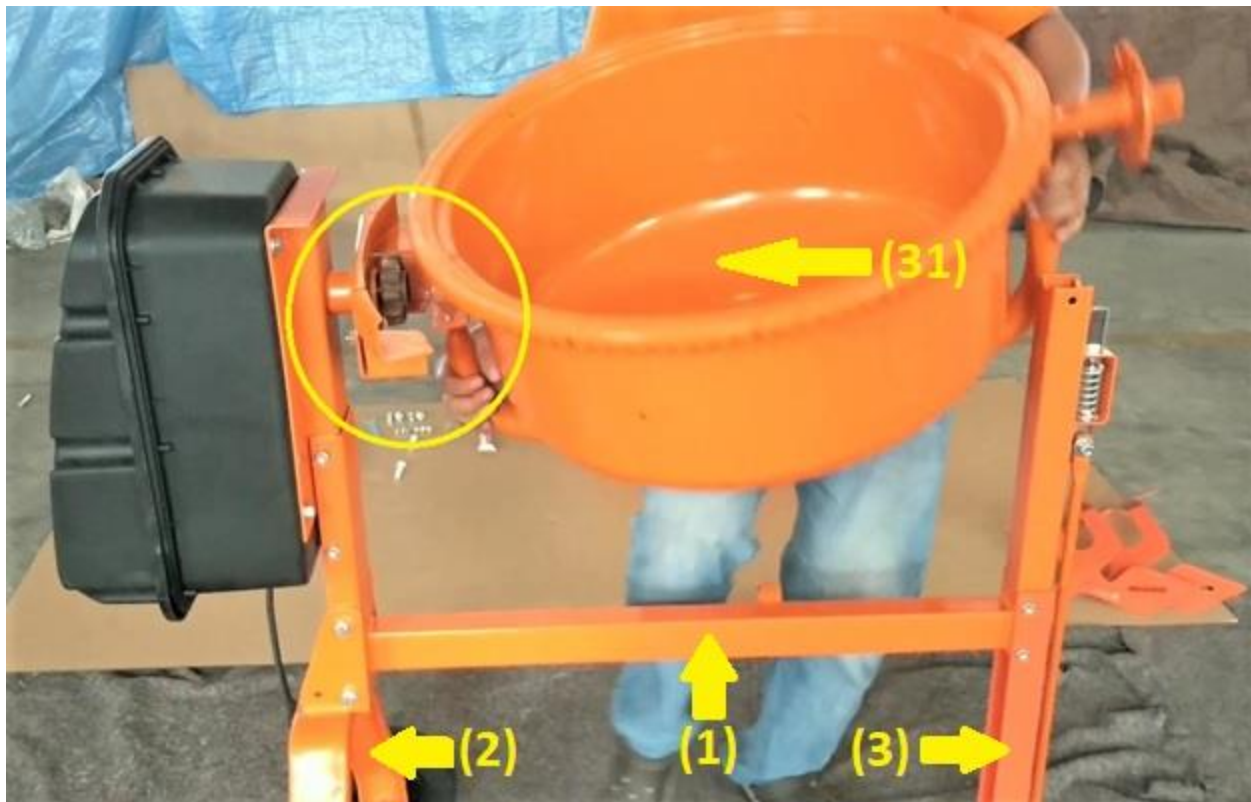


Step-10 Attach the black cover(40) of the electric motor panel with the provided 0.75 inches long square drive pan head 7 screws.



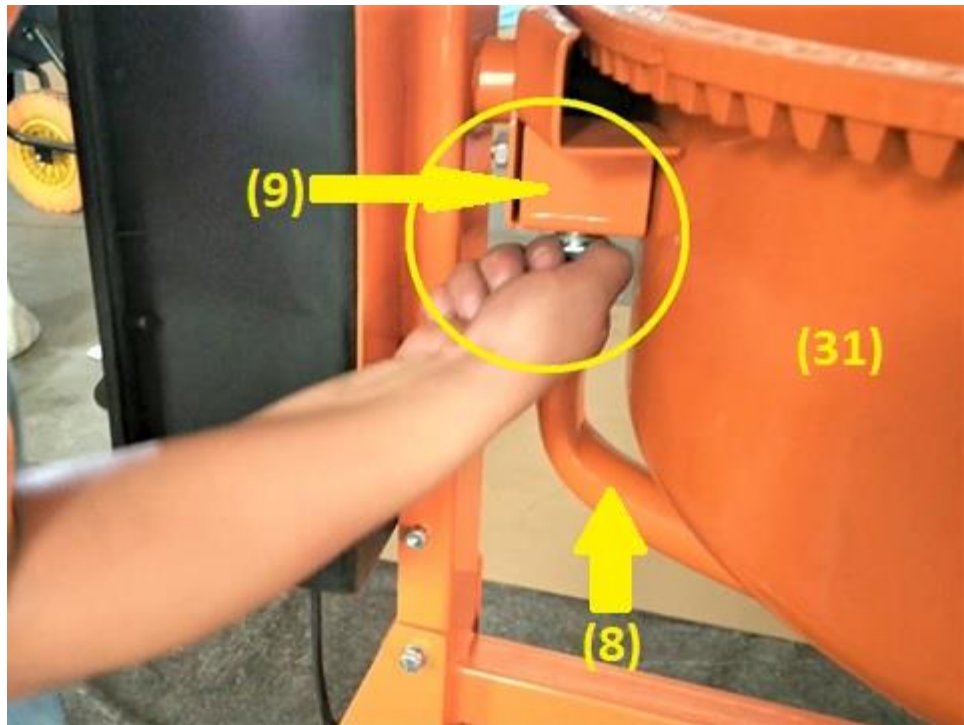


Step-11 After attaching black cover(40), place and align the bottom of drum(31) on gear side first. Then place it on the spring lock(23) side as shown in image.



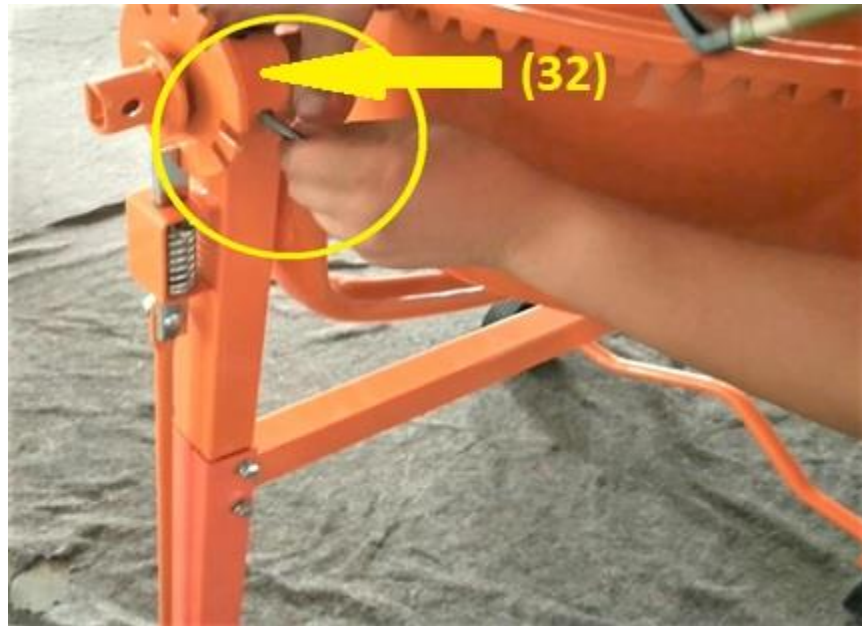


Step-12 Fix the bottom of the drum(31) on both the gear side(9) by 2 sets of M8x25mm HEX bolts and washer diameter 8.0mm provided as shown in picture.





Step-13 Place end cover(32) on the spring leg side to fix the drum(31) on other hand with 1 set of M8X70mm HEX bolts and M8.0mm nuts with Washer diameter 8.0mm.

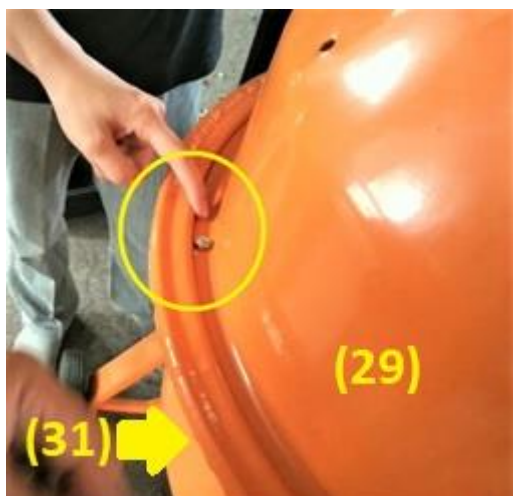


Step-14 Attach the steering wheel(10) on the spring leg(3) side by 1 set of M12x45mm HEX bolts and M12.0mm nuts provided.

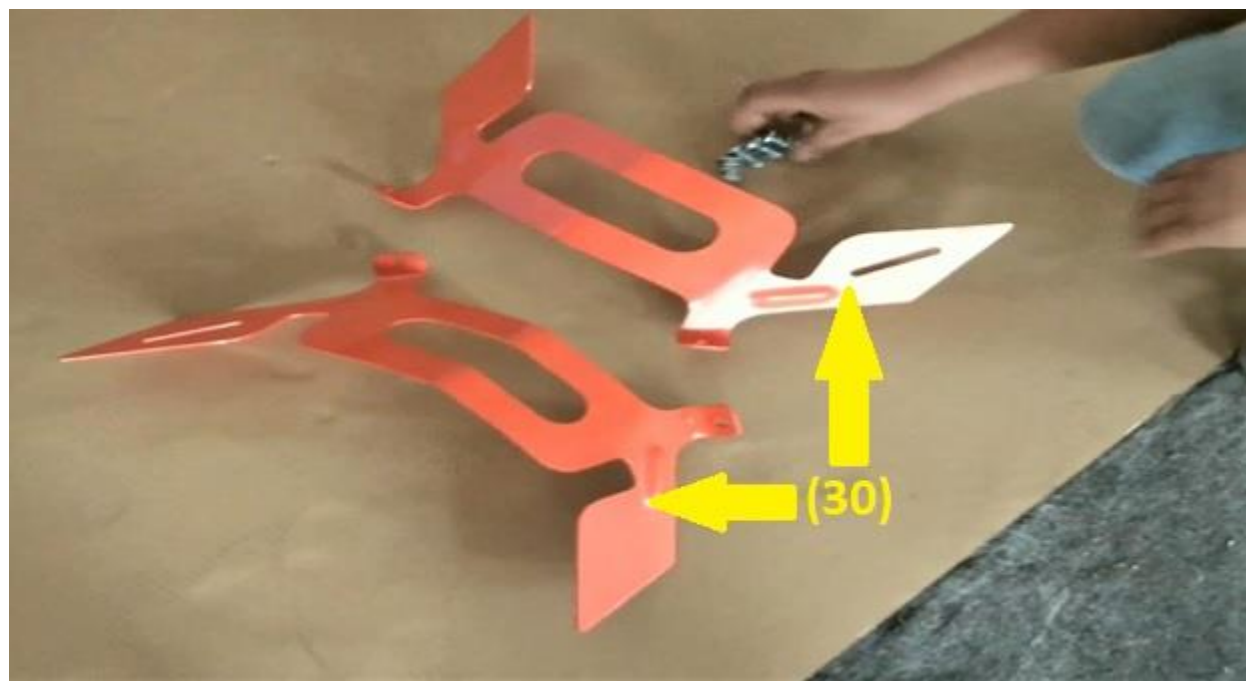


Step-15 Apply gasket cement between top(29) and bottom(31) of the drum and fix it using 6 sets of M6x16mm HEX bolts and M6.0mm nuts with washer diameter 6.0mm as shown in below pictures.





Step-16 After assembling drum, attach the two mixing blades(30) inside the drum using 4 sets of M8x25mm oval bolts and M8.0mm nuts with washer diameter 8.0mm as shown in images below.





Step-17 End product – BI135F Cement Mixer

