

Bonfiglioli Motor Brake Install

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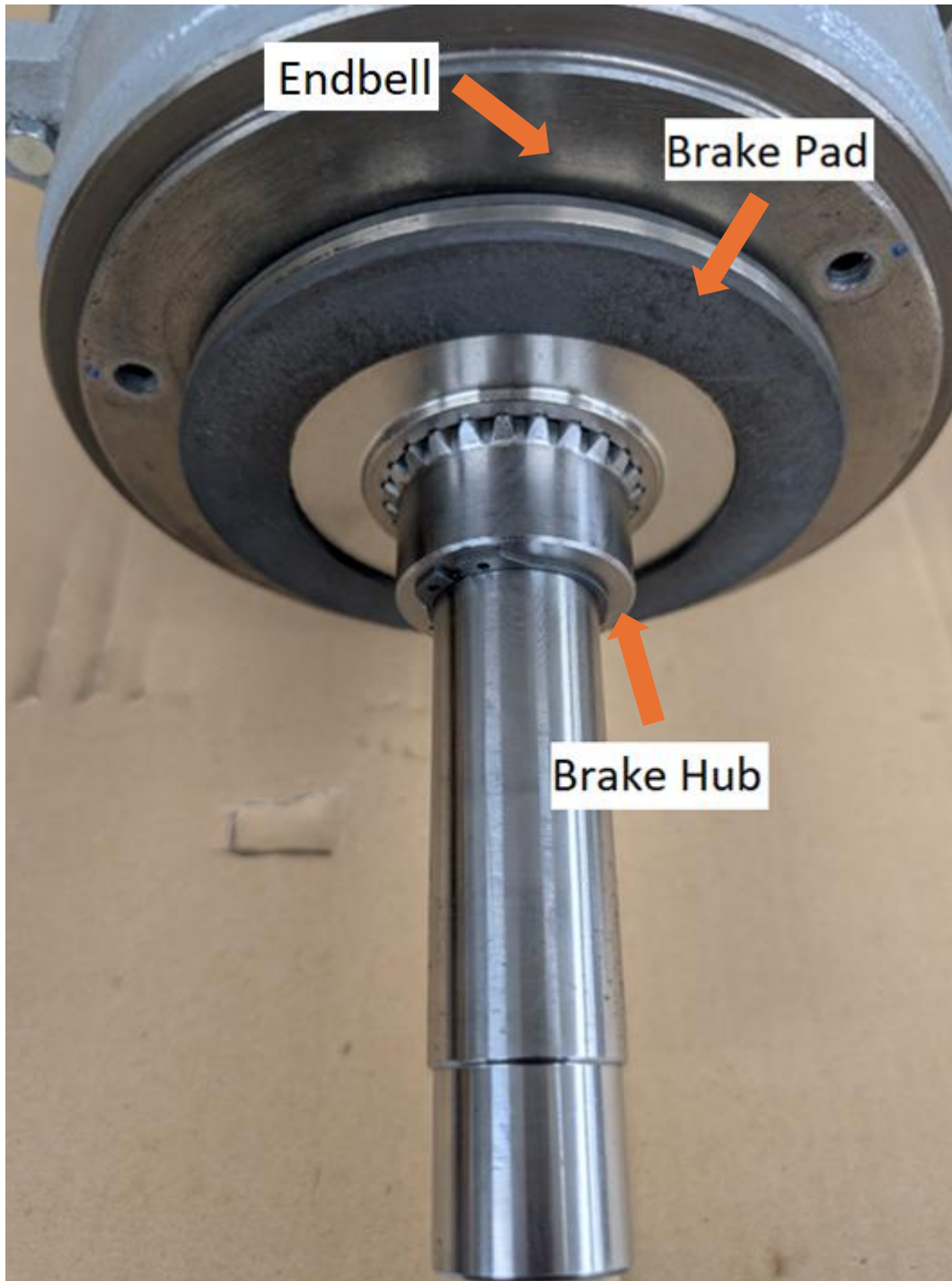
Air Gap Reference Chart

Motor Frame	Motor kW	Brake Model	Min	Max	Recommend Range
112	7.5 kW	FD06s	0.014"	0.027"	0.016 - 0.018"
132	7.8 kW	FD56	0.014"	0.027"	0.016 - 0.018"
132	10.4 kW	FD07	0.016"	0.031"	0.018 - 0.020"
132	13.4 kW	FD07	0.016"	0.031"	0.018 - 0.020"
132	15.7 kW	FD07	0.016"	0.031"	0.018 - 0.020"
160	22 kW	FD08	0.019"	0.039"	0.020 - 0.024"
200	34 - 37 kW	FD09	0.019"	0.039"	0.020 - 0.024"

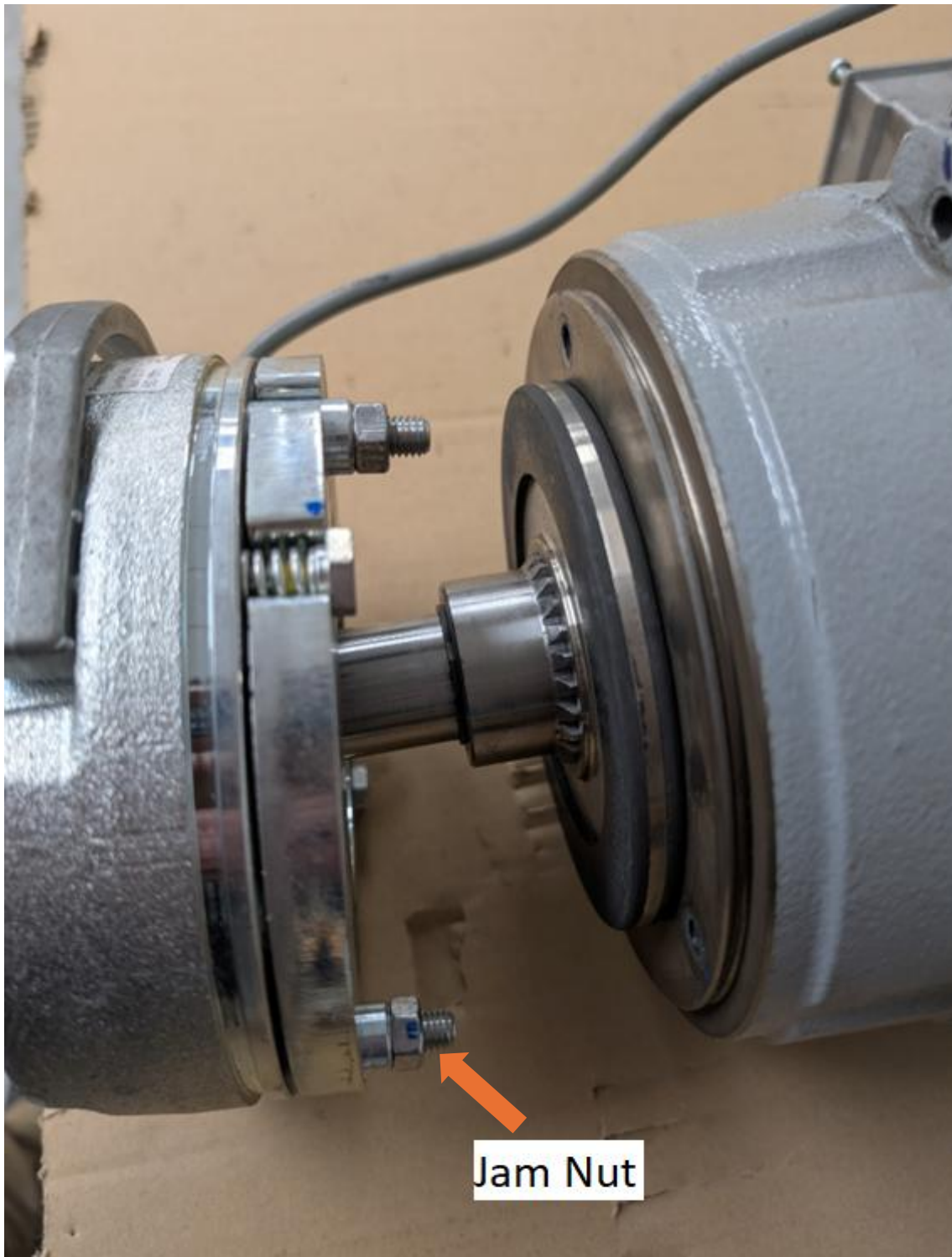
The brake air gap is based off the motor frame size

Make sure the motor end bell, and brake ring if required, are clean of grease and debris. Install brake pad over the brake hub, seating it to the motor end bell or brake ring.

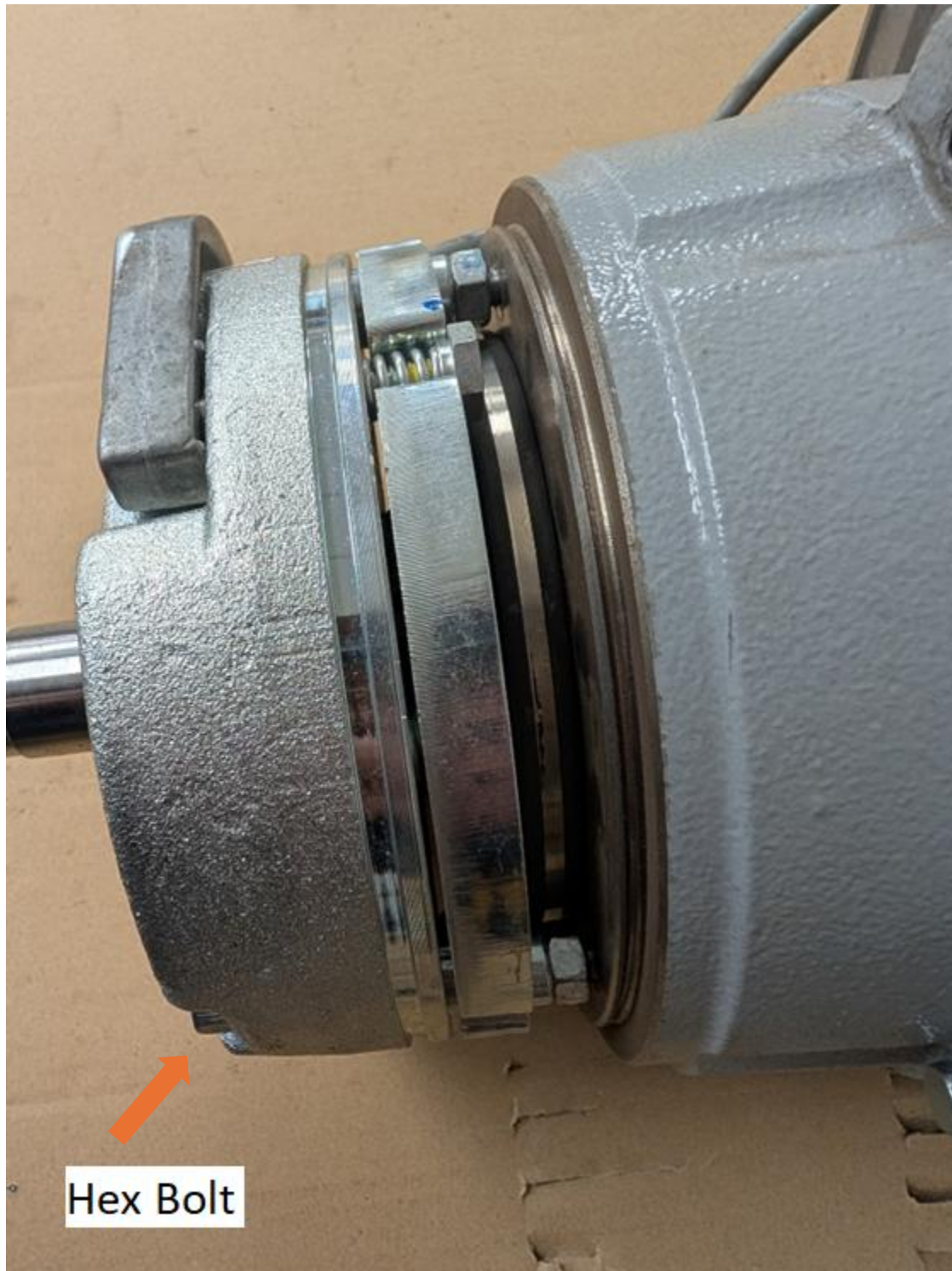
Note: Brake ring would go between the end bell and the brake pad.



Hand-tighten all the brake jam nuts down to the brake standoffs, as shown.

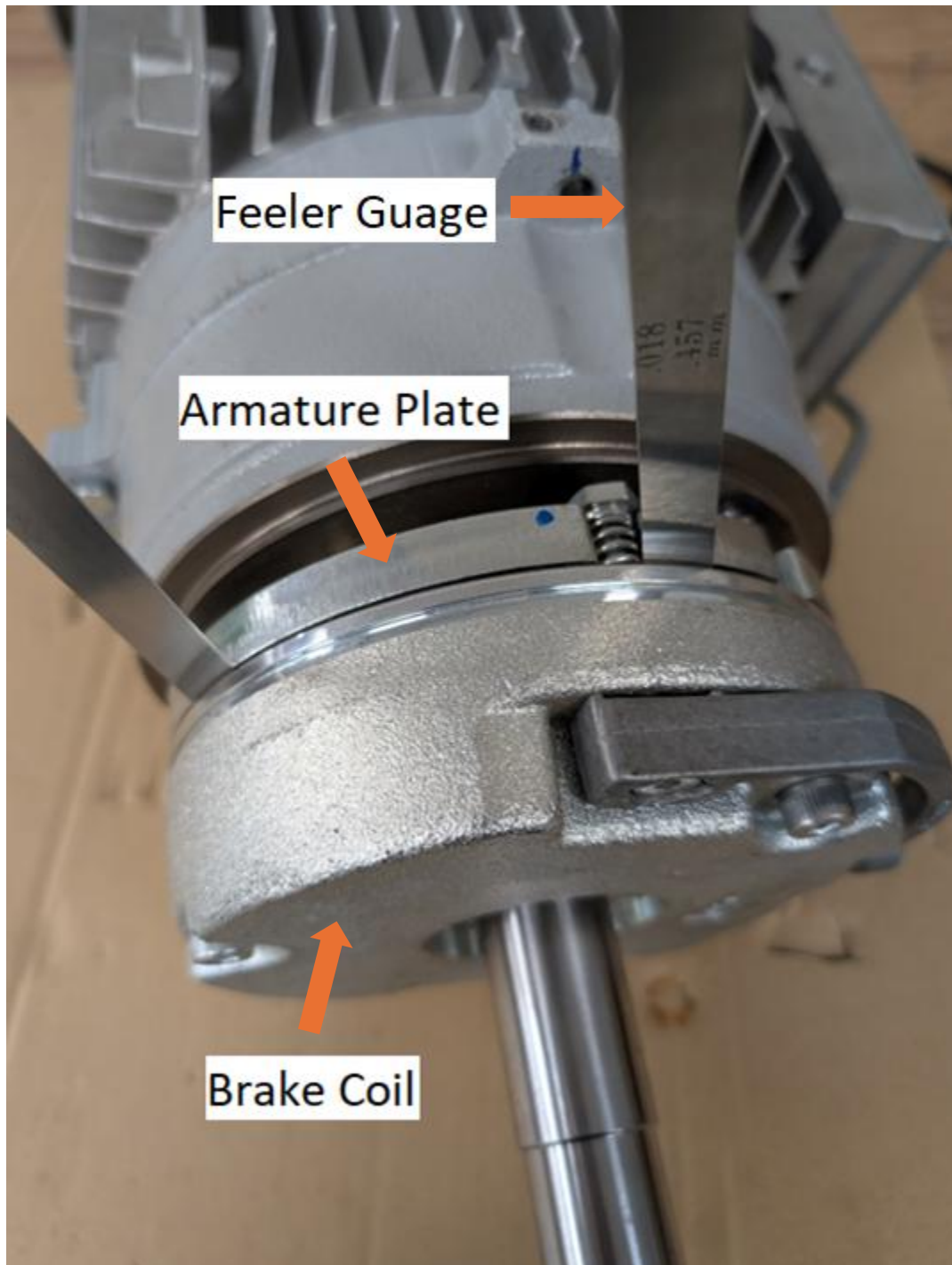


Install the brake coil assembly over the brake pad using the hex head bolts. Turn each hex head bolt roughly one turn to get them started, do not tighten the bolts all the way down.

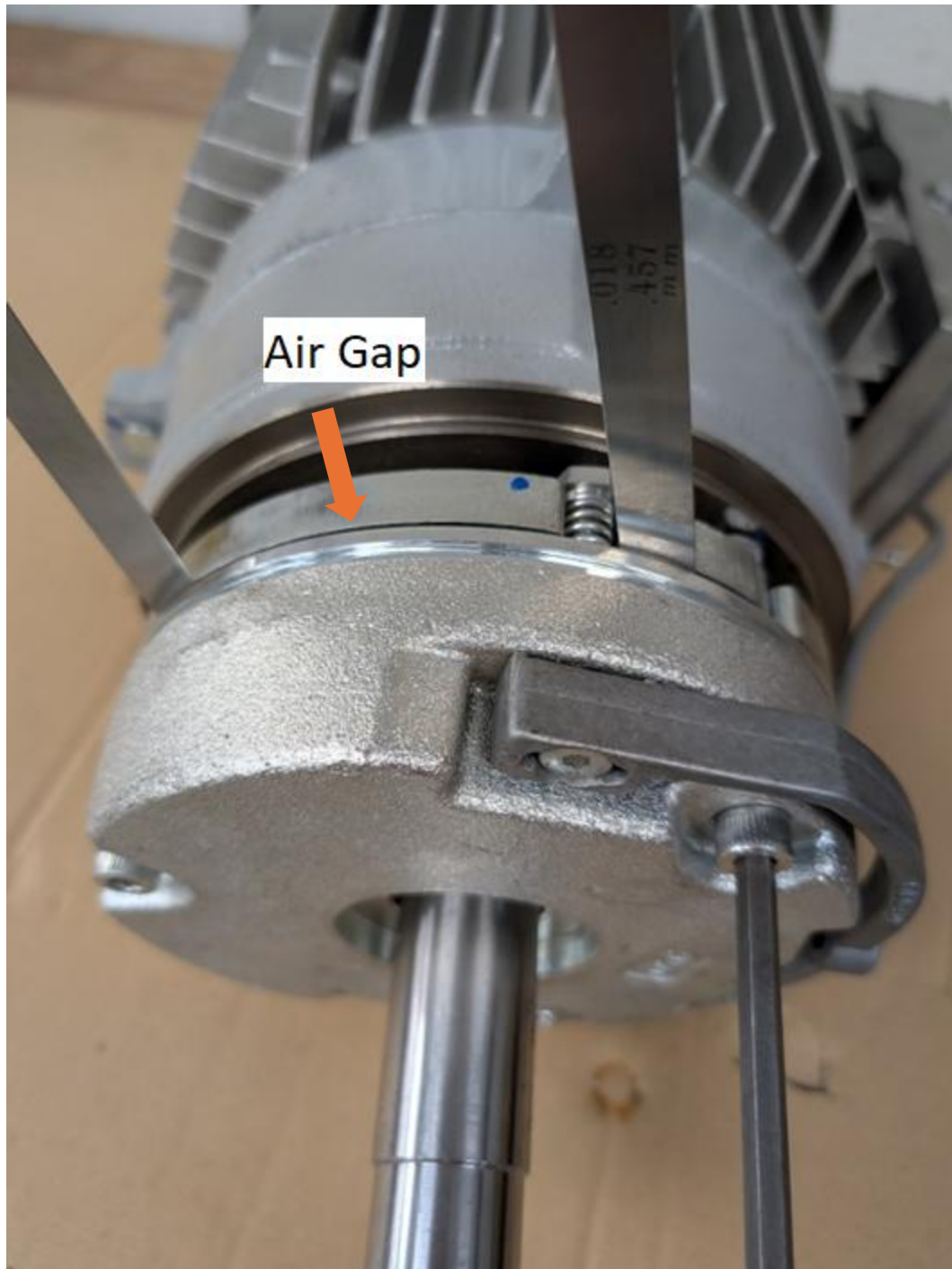


Hex Bolt

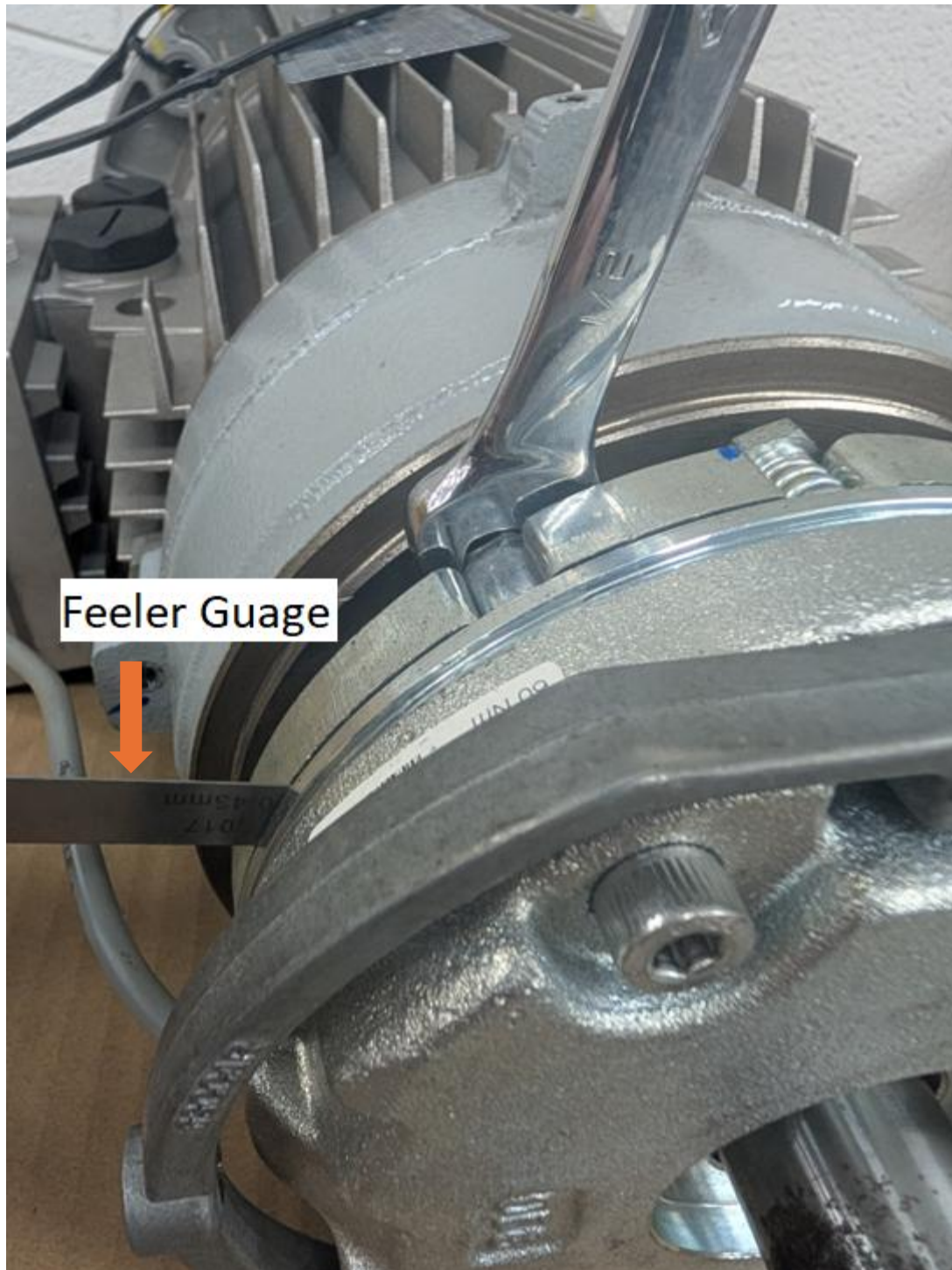
Determine the proper air gap for your brake coil by referring to the datasheet or the chart on page 9. Install at least three feeler gauges between the armature plate and the brake coil. Make sure the feeler gauges are evenly spaced in the air gap.



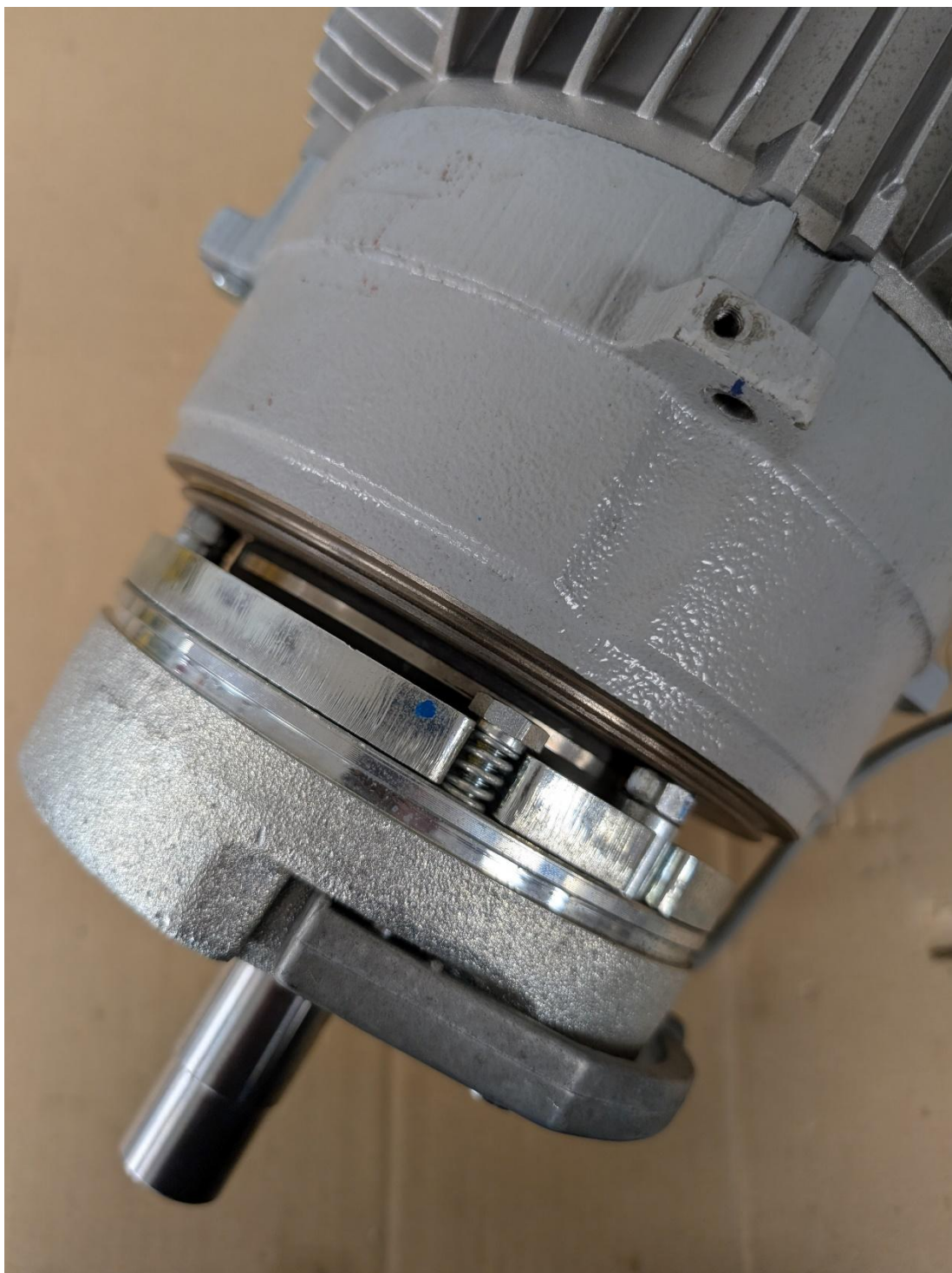
Tighten down the hex head bolts evenly to obtain required brake air gap between the armature plate and the brake coil. If the jam nuts bottom out on the end bell during this process, you may need to back the jam nuts up. When done correctly, feeler gauges should be snug. **Make sure the manual release lever is not maintaining the air gap.**



Tighten down the jam nuts to the motor end bell. This should remove some pressure on the feeler gauges and allow them to be removed.



The air gap should be barely visible. Go back and check the air gap in three different locations, spaced 120 degrees out. Test brake by applying power and visually inspect to make sure the armature plate is retracting to the brake coil.



Brake Lever Spacing

Spacing is measured between lever nut and armature plate.

02FD - 0.031"

03FD - 0.031"

53FD - 0.031"

04FD - 0.039"

14FD - 0.039"

05FD - 0.039"

15FD - 0.039"

55FD - 0.039"

06SFD - 0.043"

06FD - 0.043"

56FD - 0.043"

07FD - 0.047"

17FD - 0.047"

08FD - 0.059"

09FD - 0.059"

