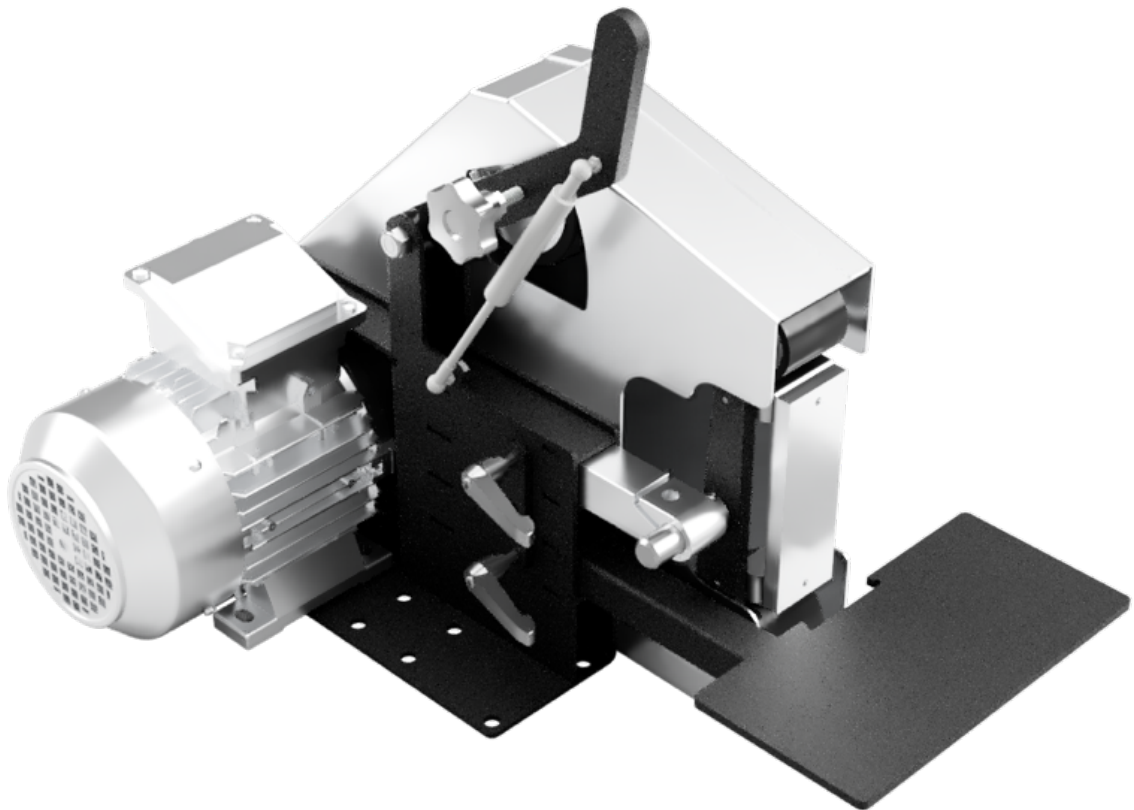
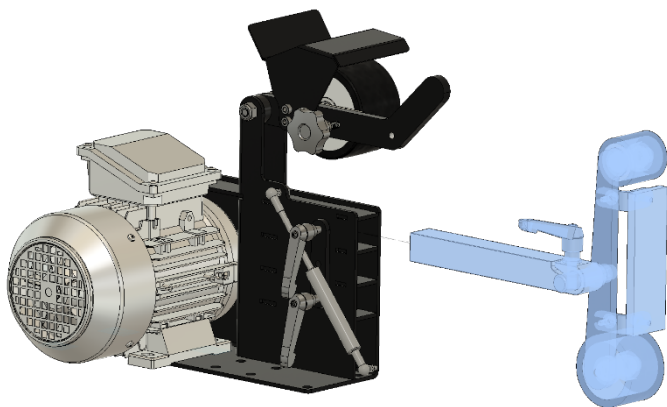


# Shop Mate 2x48" Guard Retro-fit Instructions

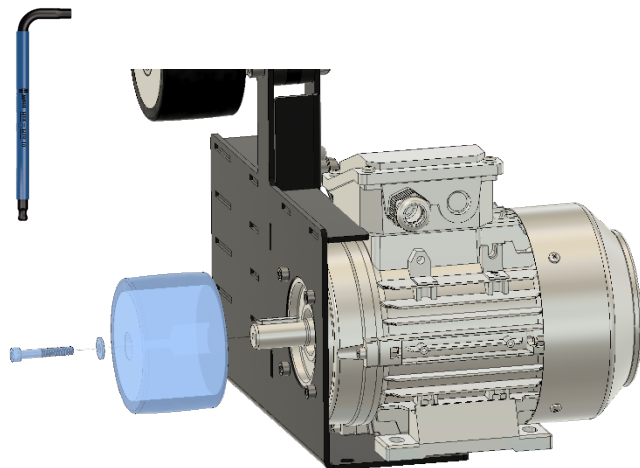


1. Begin by removing work rest and tooling arm from body.



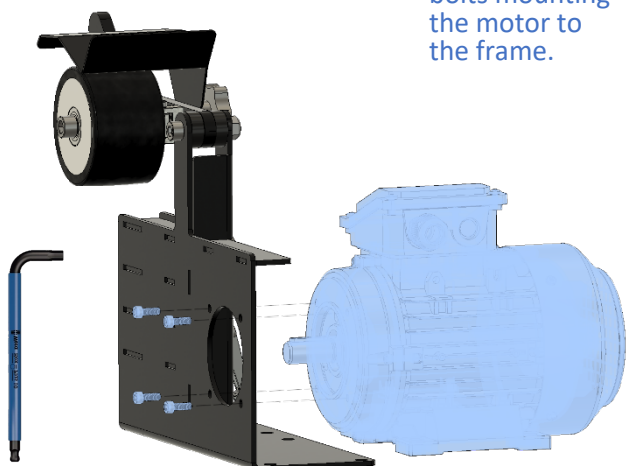
2. -H5 hex / allen key

Undo M6x40 bolt and remove drive wheel from motor shaft.



3. -H5 hex / allen key

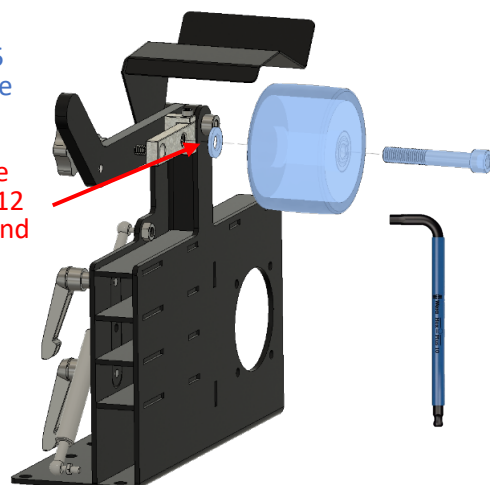
Remove the four M6x16 bolts mounting the motor to the frame.



4. -H10 hex / allen key

Undo the M12x75 bolt to remove the tracking wheel.

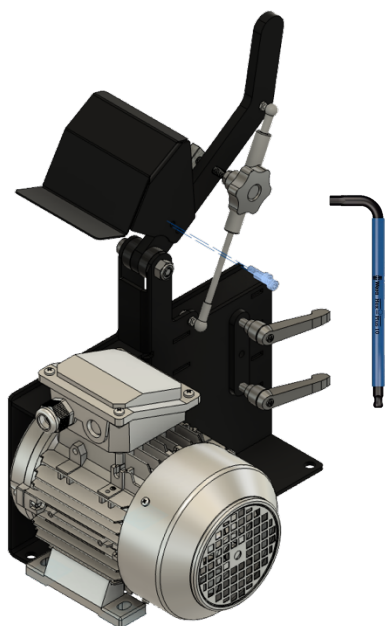
**\*Note\*** - take care not to lose the M12 washer from behind the wheel



5.

-H5 hex / allen key

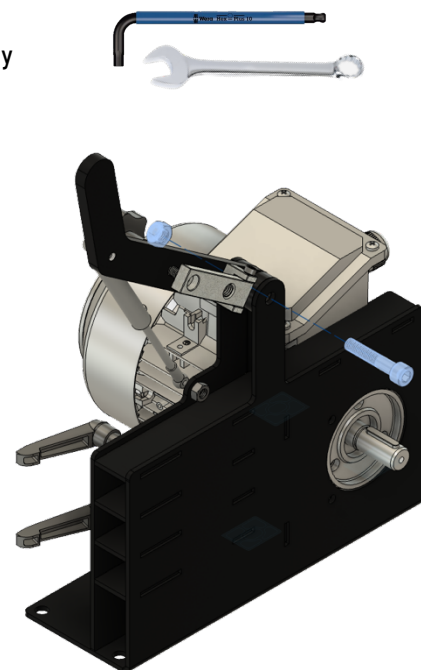
Undo the two M6x20 bolts shown and remove the guard.



6. -H8 hex / allen key  
-17mm spanner

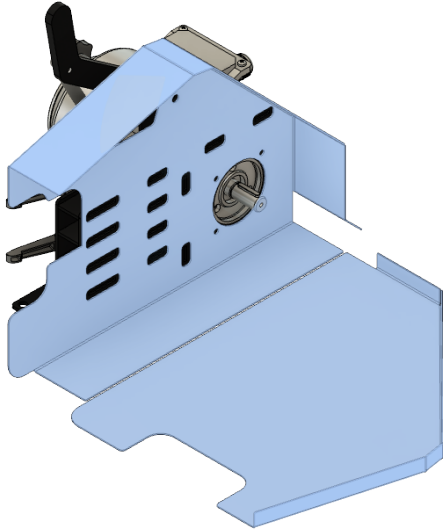
Remove the tension arm bolt / nut.

Try to keep tension arm aligned whilst bolt is out.



# 7.

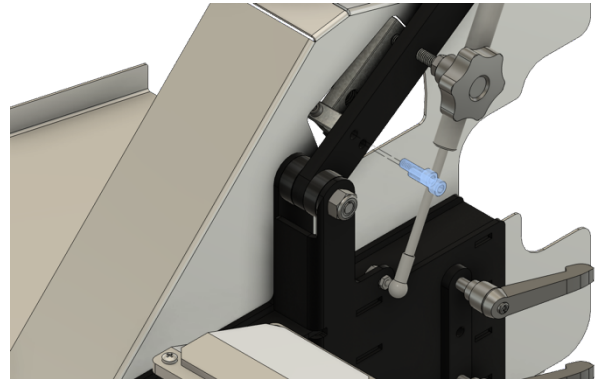
Offer guard up to grinder body as shown.



# 8.

-H5 hex / allen key

Re-install the two M6x20 into the tension arm/tracking mechanism **tightly**.



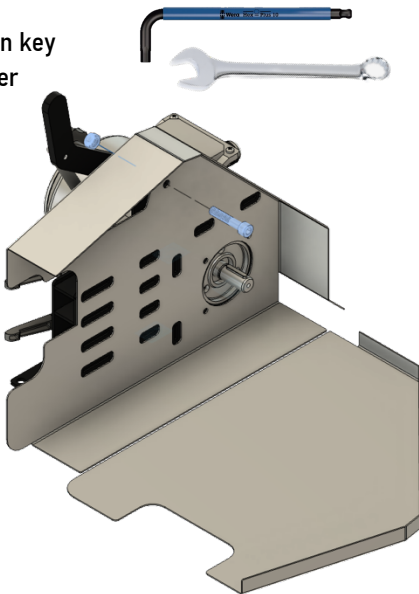
# 9.

-H8 hex / allen key  
-17mm spanner

- Install the new M10x55 bolt as shown. Jiggle tension arm and tap bolt through gently if necessary.

- Install the new M10 locking nut finger tight.

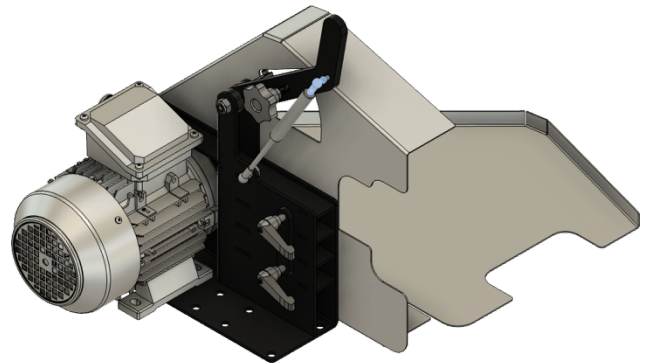
**\*New M10x55 bolt and M10 Nylock included in guard fastener pack\***



# 10.

-12mm spanner

Remove the top gas strut bolt from tension arm.

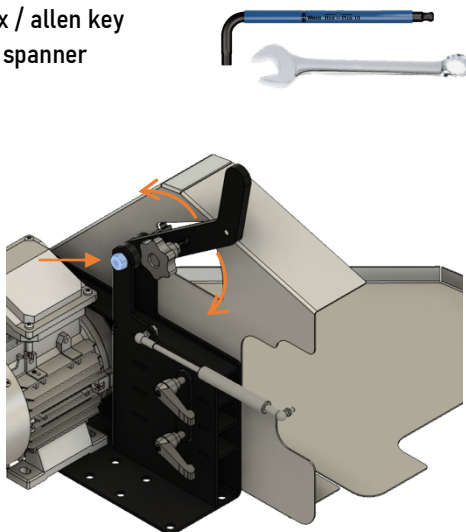


# 11.

-H8 hex / allen key  
-17mm spanner

Carefully tighten M10 lock nut, periodically testing tension arm.

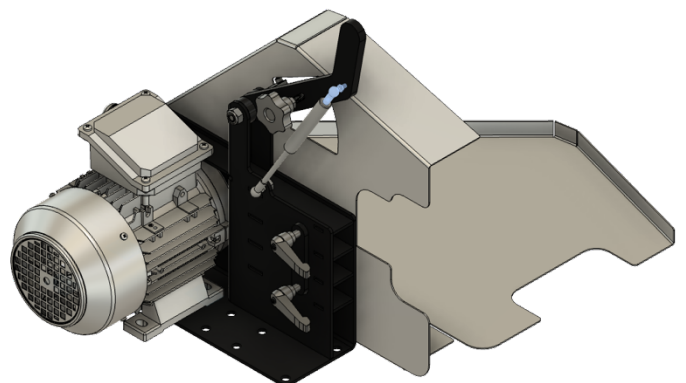
Tighten until tension arm moves up and down smoothly but does not fall under its own weight.



# 12.

- 12mm spanner

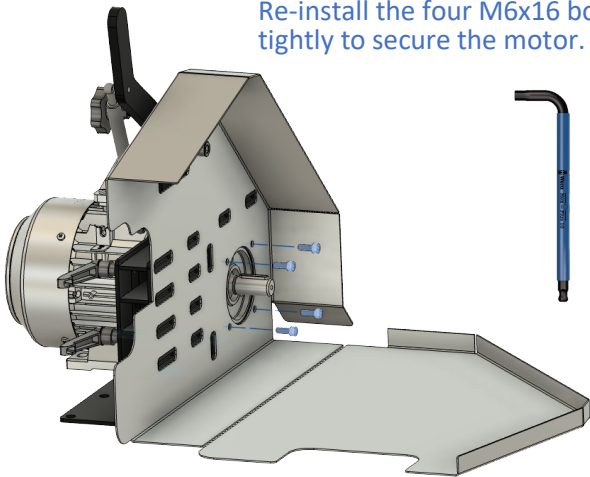
Once correct tension arm torque is achieved, re-install top gas-strut bolt.



# 13.

-H5 hex / allen key

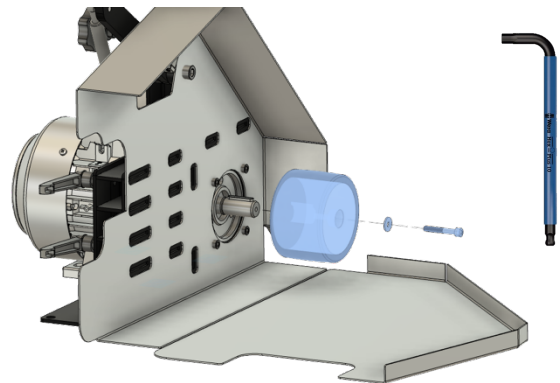
Re-install the four M6x16 bolts tightly to secure the motor.



# 14.

-H5 hex / allen key

Slide drive wheel onto motor shaft and re-install M6 washer and M6x40 bolt tightly.



# 15.

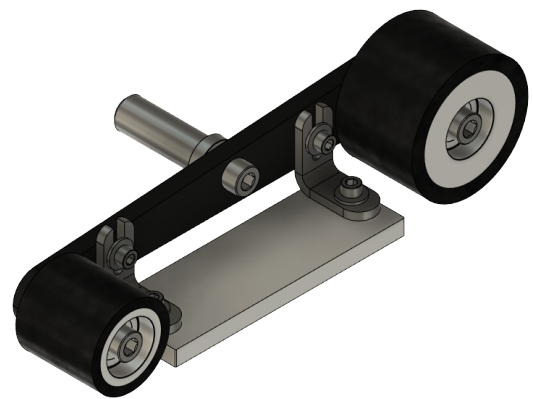
-H10 hex / allen key

Re-install tracking wheel, M12 washer and M12x75 bolt as shown. Bolt should be installed tightly.



# 16.

Remove platen from tooling arm.



# 17.

-H5 hex / allen key

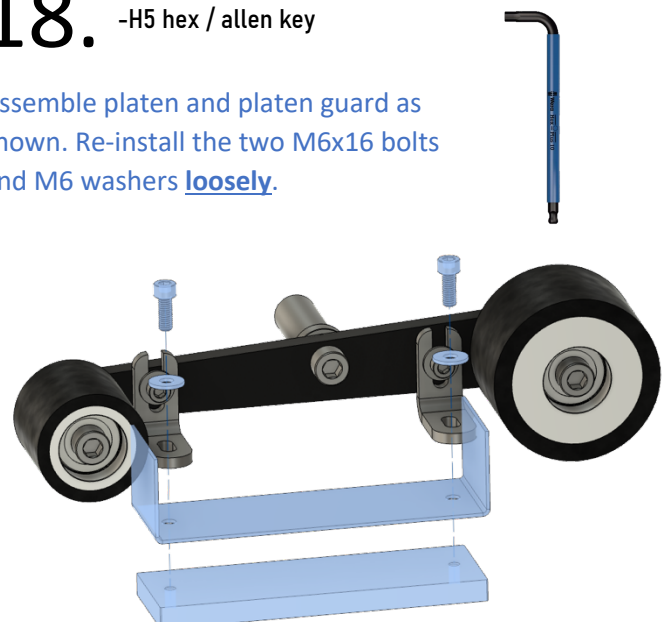
Remove the two M6x16 bolts and M6 washers shown.



# 18.

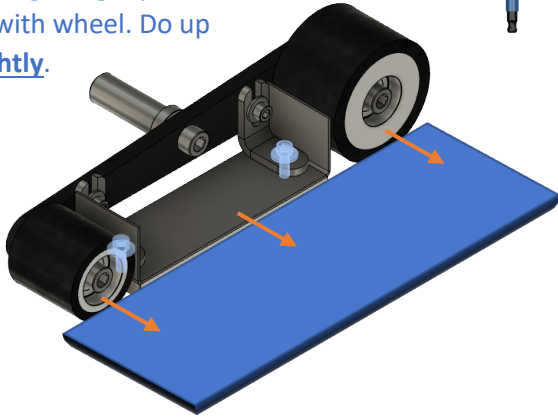
-H5 hex / allen key

Assemble platen and platen guard as shown. Re-install the two M6x16 bolts and M6 washers loosely.



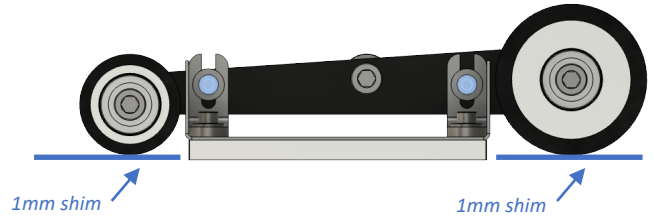
## 19. -H5 hex / allen key

Pull 2" wheel, 3" wheel and platen hard against a straight edge to get platen aligned with wheel. Do up bolts **tightly**.



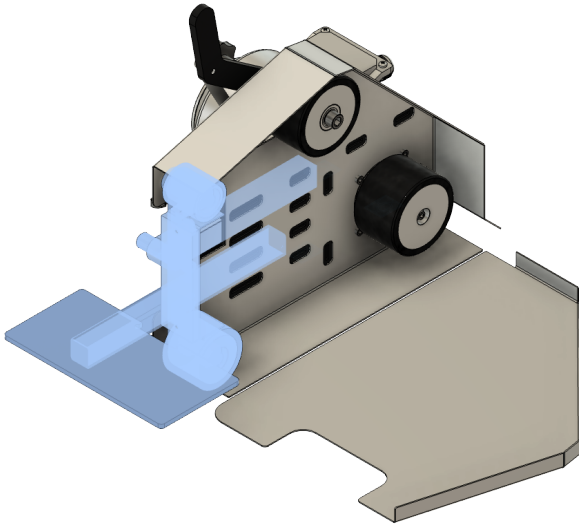
## 20. -H5 hex / allen key

- Loosen the two M6x16 bolts highlighted.
- Place platen face down on flat surface as shown.
- Install 1mm spacer / shim under each wheel as shown.
- Push firmly down on wheels and platen whilst re-tightening the two bolts.



## 21.

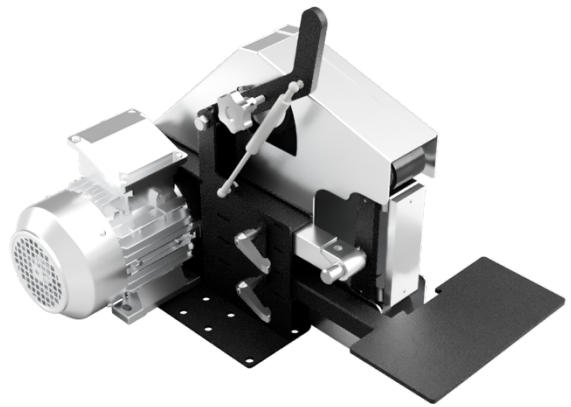
Re-install platen into tooling arm and slot into grinder frame.



## 22.

Double check all bolts are tight prior to re-installing belt.

Run grinder slowly on first start-up as tracking adjustment may be out.



If you have any issues or queries, please feel free to contact us for assistance on 0448 531 822 or at [team@84engineering.com.au](mailto:team@84engineering.com.au)