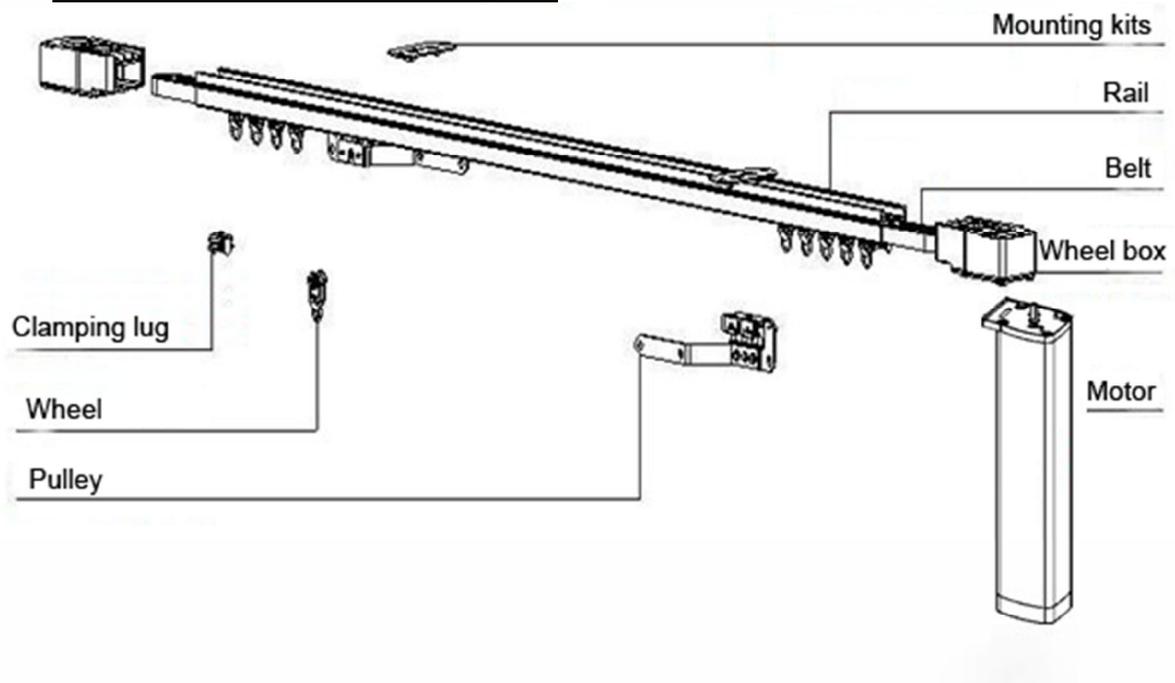


## TIS M3 Curtain Motor Installation Manual

### A- M3 Curtain Main Parts Figure

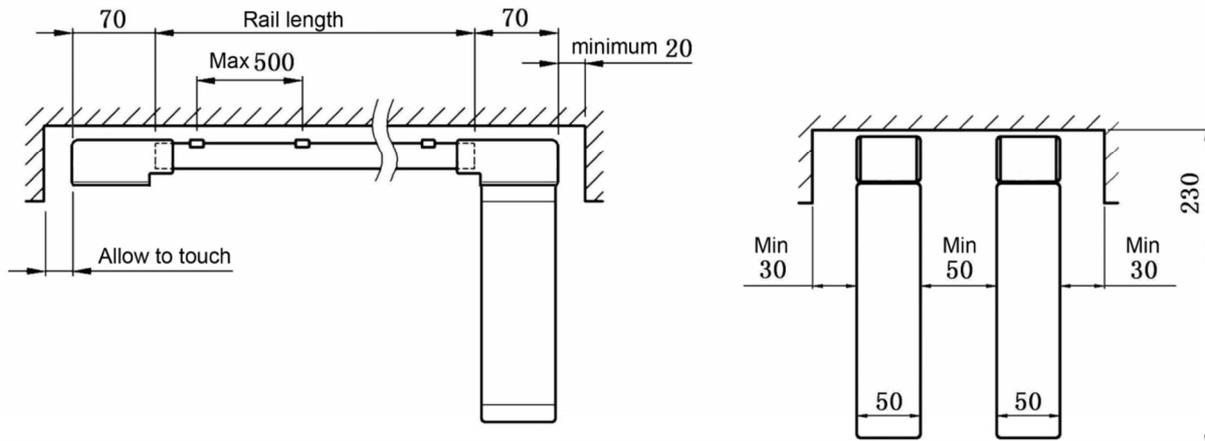


Main parts: 1, Mounting kits: 2, Rail; 3, Belt; 4, Wheel box; 5, Motor; 6, Clamping lug; 7, Wheels; 8, Pulley etc.

Working principle: The Motor will rotate inside the wheel box to move the belt and the pulleys that make curtain open and close.

Installation way: First fix the mounting kits on the wall, and then hang the combined rail, wheel box, belt, pulleys, wheels and clamping lugs to the mounting kits. After that install the motor into one of the wheel box.

Installation dimension: Please reserve enough installation site and space for curtain rail and fabric base on the actual installation requirements.



**Matters need attention:**

- 1- The sizes pointed out in above picture are the minimum size for rail system installation. Users should reserve enough space bases on the actual curtain fabric size.
- 2- In order to make the clipping, transporting and assembling easier, the subsection of rail is allowed. But the specified rail connection is necessary for connecting rails. The cutting surface of rail should be smooth and burr-free in case affect the good running of the pulleys.
- 3- The safe load of each mounting kit is 3kg and the maximum space between each two mounting kits is 0.5m. While the curtain fabric is heavier, more mounting kits should be added.

**B- Rail installation steps:**

1. Cut the rails. Pay attention to make the cutting surface smooth and split them right down the middle.

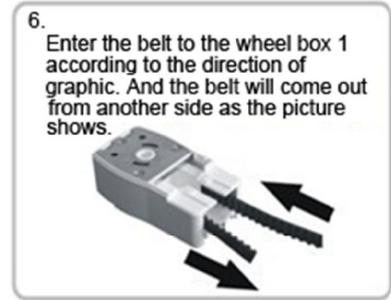
2. Cut the belt

Belt length= rail net length\*2+ 48 grids

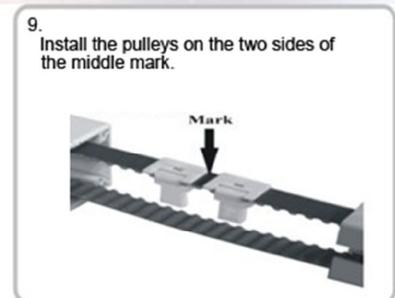
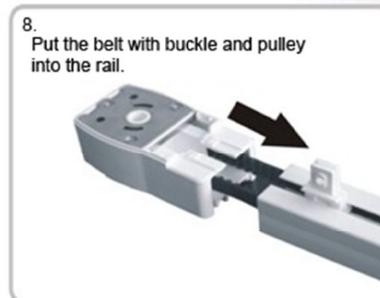
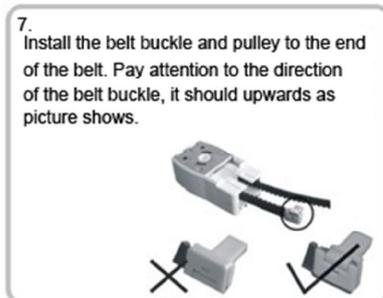
3. Lubricate the belt with the oil, dry it, standby

JAGUAR  
CM-68  
Linear Oil

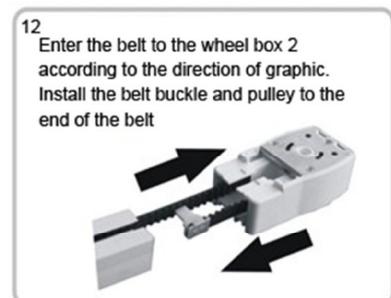
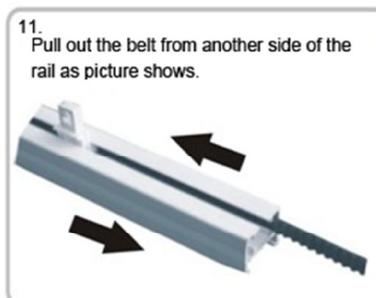
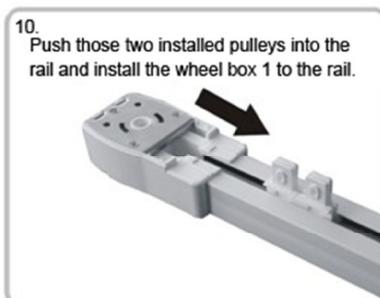
1. Cut the rails. Pay attention to make the cutting surface smooth and split them right down the middle.
2. Cut the belt: Belt length= rail net length\*2+ 48 grids
3. Lubricate the belt with the oil, than dry it.



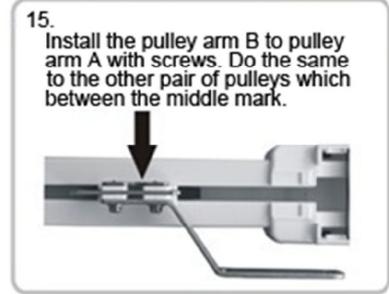
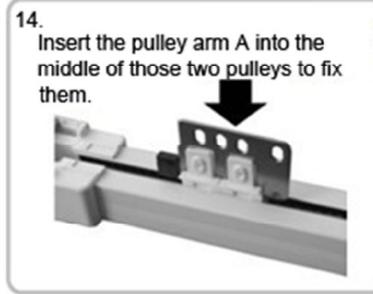
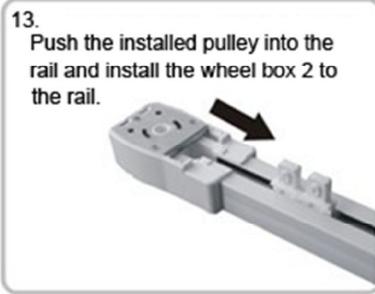
4. Lubricate the rail slot with SY#0 grease.
5. Mark out the middle point of the ready belt.
6. Insert the belt into the wheel box 1 according to the direction of Picture 6, then the belt will come out from another side as the picture shows.



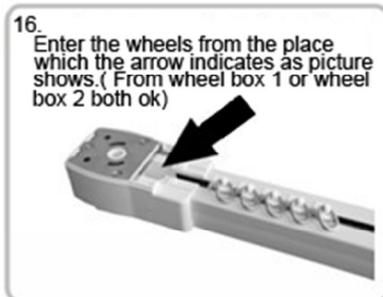
7. Install the belt buckle and pulley to the end of the belt. Pay attention to the direction of the belt buckle, it should upwards as picture shows.
8. Insert the belt with buckle and pulley into the rail.
9. Install the pulleys on the two sides of the middle mark.



10. Push those two installed pulleys into the rail and install the wheel box 1 to the rail.
11. Pull out the belt from another side of the rail as picture shows.
12. Enter the belt to the wheel box 2 according to the direction of graphic. Install the belt buckle and pulley to the end of the belt



13. Push the installed pulley into the rail and install the wheel box 2 to the rail.
14. Insert the pulley arm A into the middle of those two pulleys to fix them.
15. Install the pulley arm B to pulley arm A with screws. Do the same to the other pair of pulleys which between the middle mark.



16. Enter the wheels from the place which the arrow indicates as picture shows. ( From wheel box 1 or wheel box 2 both ok)
17. Install the clamping lug to the wheel box 1 and screw it. Do the same to the wheel box 2.
18. If for the single opened rail, just install the clamping lug to the wheel box 2, then close the wheel box cover.

### C- Loading and unloading the Motor:

◆ FOR LOADING

<p>1. Push the driver head into the wheel box.</p>	<p>2. Push the button pole to the arrow indicates as picture shows, then it will lock automatically. So the driver installation done.</p>
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For LOADING:

1. Push the Motor head into the wheel box.
2. Push the button pole to the arrow indicates as picture shows, then it will lock automatically. So the motor installation done.



For UNLOADING:

1. Pull down the button pole as arrow 1 indicates, and push it to the arrow 2 direction.
2. Separate the motor. Pls hold the driver steady in case it falls down.

**4) Driver specification:**

Rated vol (VAC)	Working Voltage (V)	Rated cur(A)	Rated power (W)	Rate torque Nm
100~240	24	1	24	0.6

Rate REV rpm	IP grade	Working system	Remote receive	External control interface	overheating protection (min)	Insulation grade (1.c1.)
110	IP41	S2	Yes	yes	5	1.c1.E

**Usage range:**

- 1- Longest rail: 12m.
- 2- System maximum load: 30Kg.
- 3- Mounting distance: 20cm.
- 4- Curtain running speed: 0.17m/s (single track)  
0.34m/s (Double track)

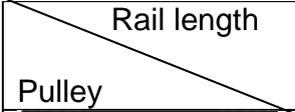
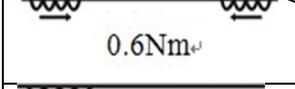
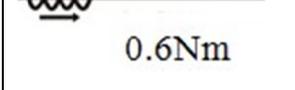
**System application:**

**1) Regular application:**



<p><b>Single track system</b>  M3 Motor 1 pc  Single track system 1 set  Use for single layer curtain</p>	<p><b>Double track system</b>  M3 Motor 2 pcs  Single track system 2 sets  Use for double layers curtain</p>	<p><b>Double track towards system</b>  M3 Motor 2 pcs  Single track system 2 sets but direction towards each other  Use for over length curtain splitting</p>
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**2) Normal single track system load character:**

 Rail length Pulley	2m	3m	4m	6m	8m	10m
 0.6Nm	30Kg	30Kg	30Kg	25Kg	15Kg	10Kg
 0.6Nm	30Kg	30Kg	30Kg	25Kg	15Kg	10Kg