

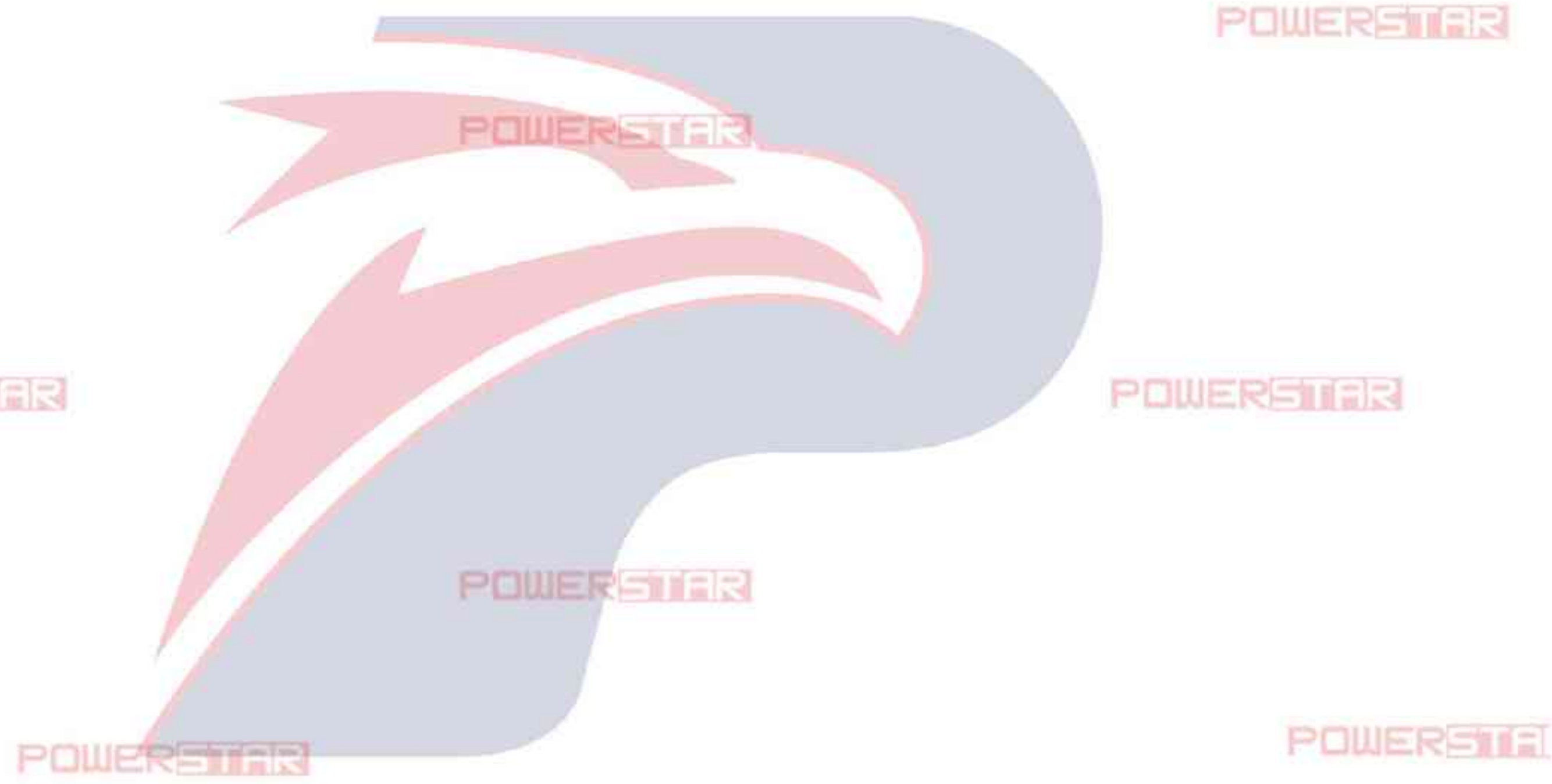
POWERSTAR Road Sweeper Body Kit

User's Manual



POWERSTAR TRUCKS INDUSTRY CO., LIMITED

<http://www.isuzutruckscn.com/>



POWERSTAR Road Sweeper Kit



INSTALLATION MANUAL



NOTE: Please read this document before install the Road Sweeper body

5m³ Road Sweeper Superstructure Spare Parts List

NO	Name	Unit Quantity	Total Quantity	Comments
1	Dust Tank Assembly	1 set	4 set	Installed
2	Clean Water Tank Assembly	1 set	4 set	Installed
3	Hydraulic Motor	4 unit	16 unit	Installed
4	Magnetic Valve	1 unit	4 unit	Installed
5	Sweep Plate	4 set	16 set	Installed
6	Hydraulic Oil Cylinder	8 unit	32 unit	Installed
7	Fan Assembly	1 set	4 set	Installed
8	Auxiliary Engine Assembly	1 set	4 set	Installed
9	Vacuum Suction Assembly	1 set	4 set	Installed
10	Auxiliary Frame Assembly	1 set	4 set	Installed
11	Vacuum Suction Pipeline	1 unit	4 unit	
12	Electric Control Box	1 unit	4 unit	
13	Main Control Box	1 unit	4 unit	
14	Rear Door Sealing Strip	1 unit	4 unit	
15	Water Pipeline	1 unit	4 unit	
16	Three-Way Valve	1 unit	4 unit	
17	Two-Way Valve	1 unit	4 unit	
18	Pipeline Hoop	1 unit	4 unit	
19	Compound Gasket	1 set	4 set	
20	Suction Plate Mudapron	1 unit	4 unit	
21	Diesel Pipeline	1 unit	4 unit	
22	Sweep Brush	88 unit	Approx. 1350 unit	
23	CCD Camera System	1 set	4 set	

Please note that all spare parts in CHINA SHIPPING logo Container (Unique lock D23997)

Number 1-5 Road Sweeper Superstructure Brief Introduction

1. Tank Assembly:



2. Dust Bin Assembly



Dust Bin Assembly :
4CBM
With hydraulic rear door

3. Cleaning Water Assembly

Cleaning Water Assembly : 1CDM



4. Auxiliary Engine Assembly & Fan Assembly

Fan Assembly



Auxiliary Engine Assembly: JMC brand 57kw

Fan Assembly



Auxiliary Engine Assembly: JMC brand 57kw

5. Brush Assembly



Hydraulic Motor

Brush Assembly:
Four Sweep Plate
Eighty-eight sweep
brushes

6. Vacuum Suction Assembly



Vacuum Suction Assembly
Rear of the sweeper tank

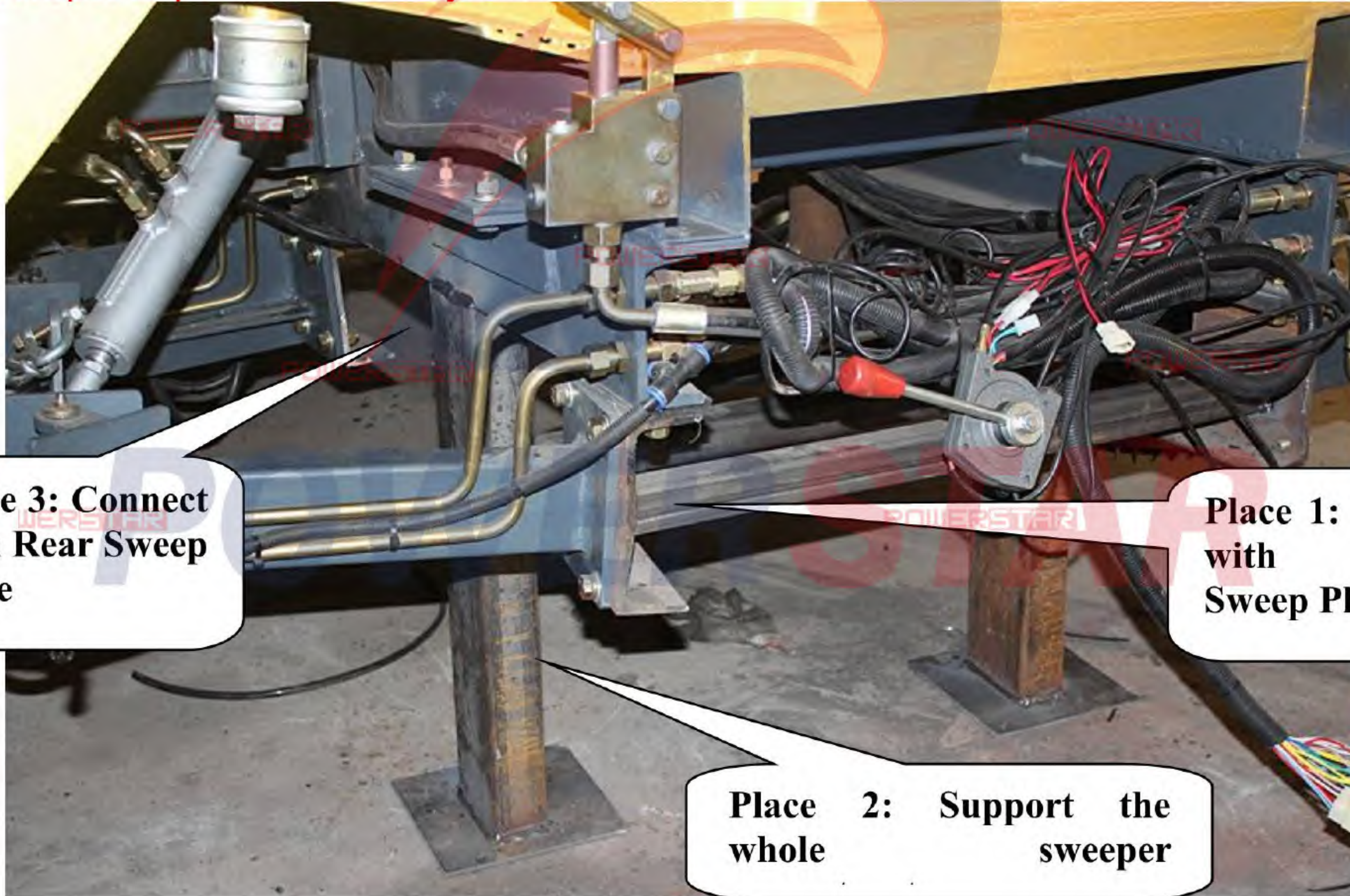
7. Control Assembly



Control Assembly
Main Control Box in Cabin

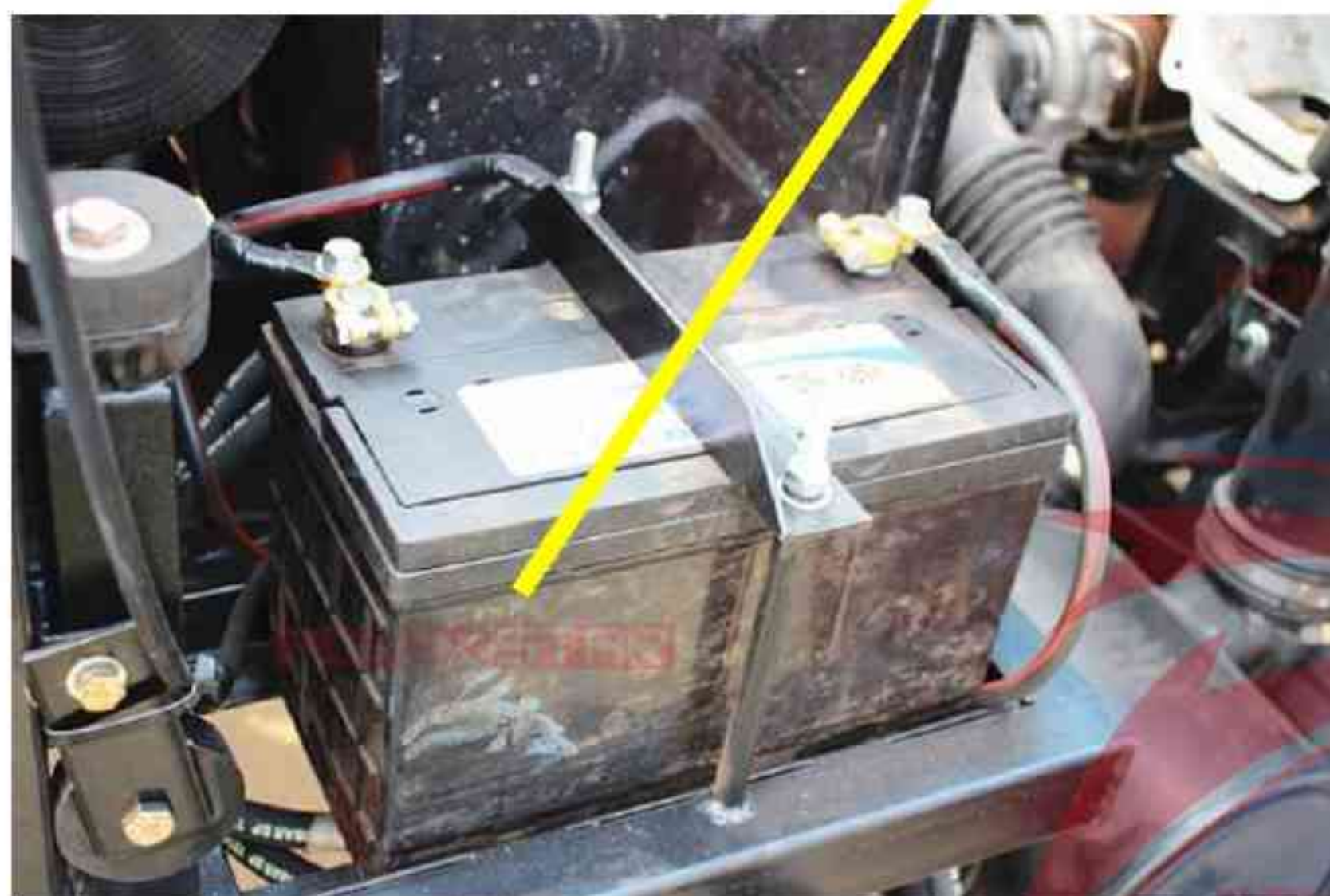
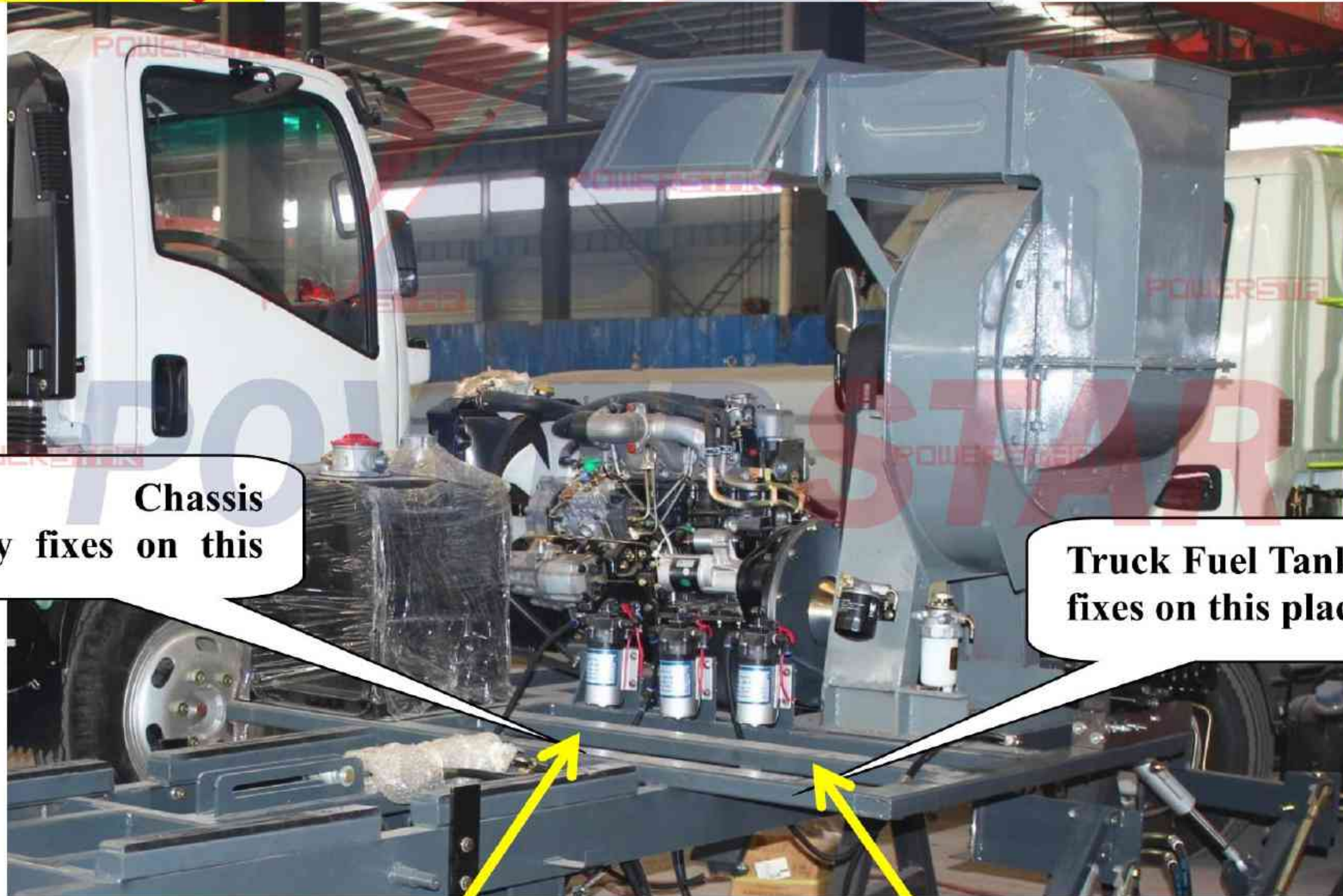
Number 8-13 How to install the road sweeper superstructure (Very Important)

8. First and most important thing is take off the support steel (Place 1,2,3,4), and fix the road sweeper superstructure on your chassis.



9. Fix Truck Chassis Battery & Fuel Tanker nearby auxiliary engine, detail place showing as below

Please note: JMC brand auxiliary engine use 12V Battery, means only need connect one battery with JMC engine

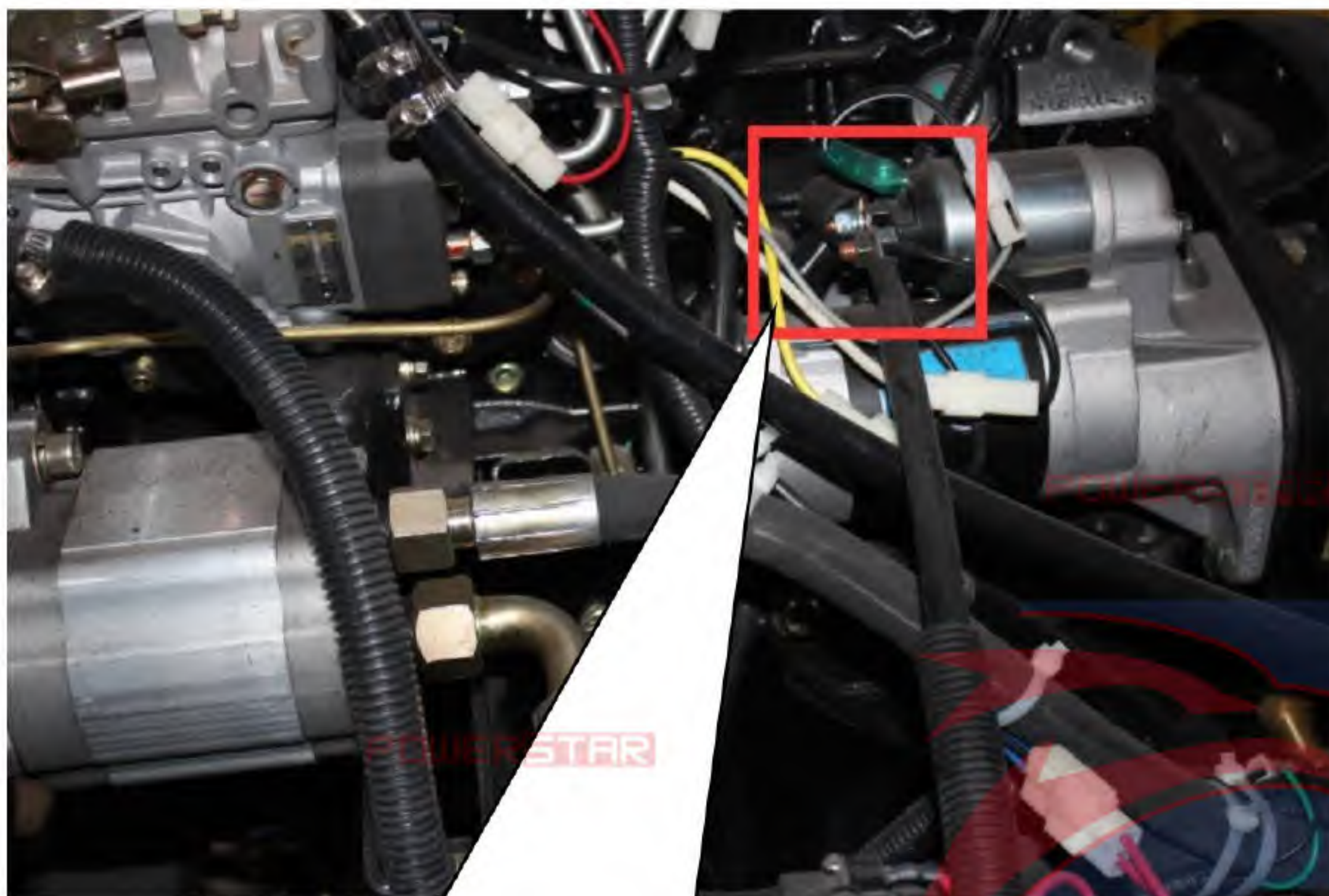
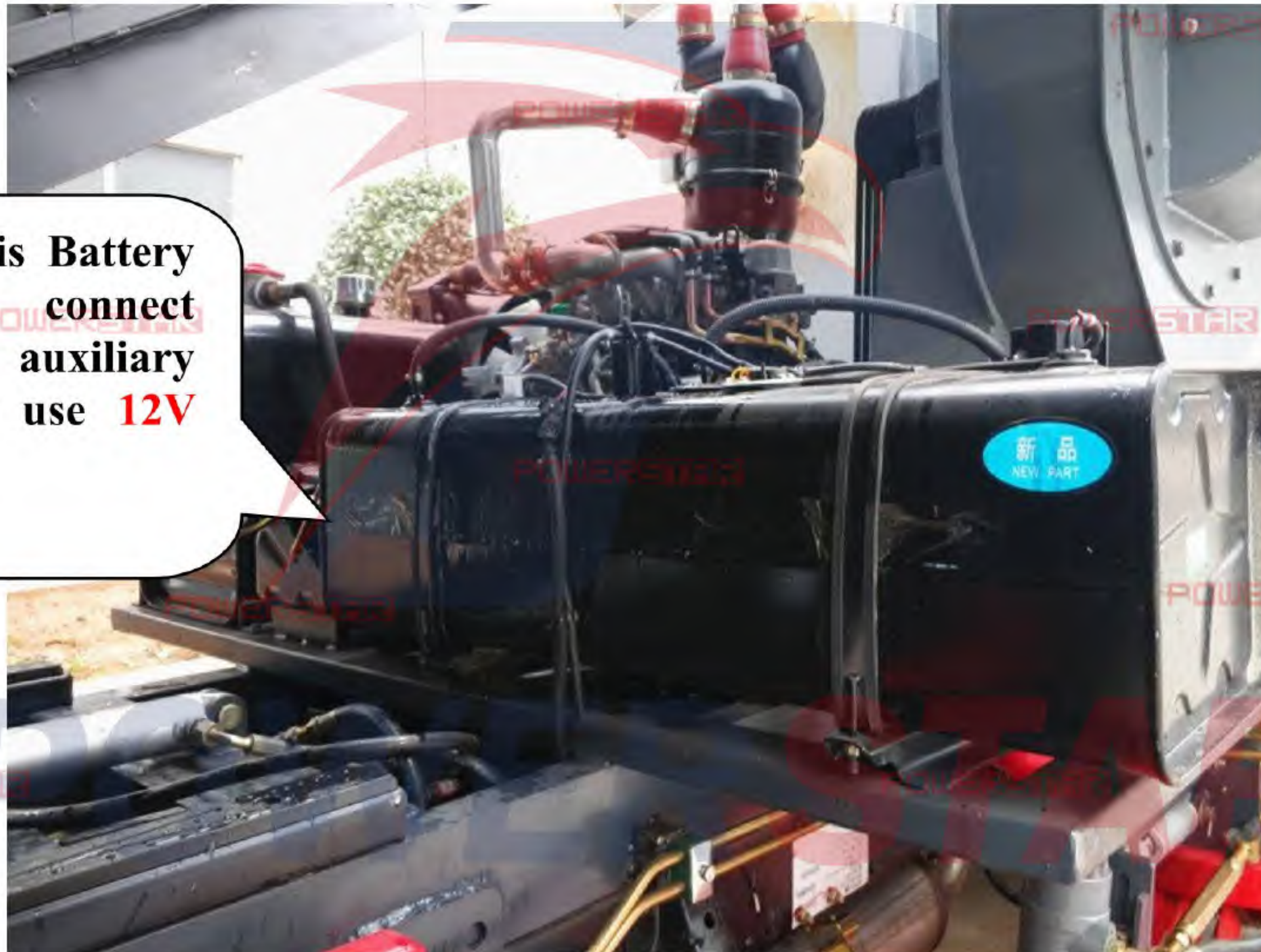


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Truck Chassis Battery fixed, when connect with JMC auxiliary engine, only use 12V battery



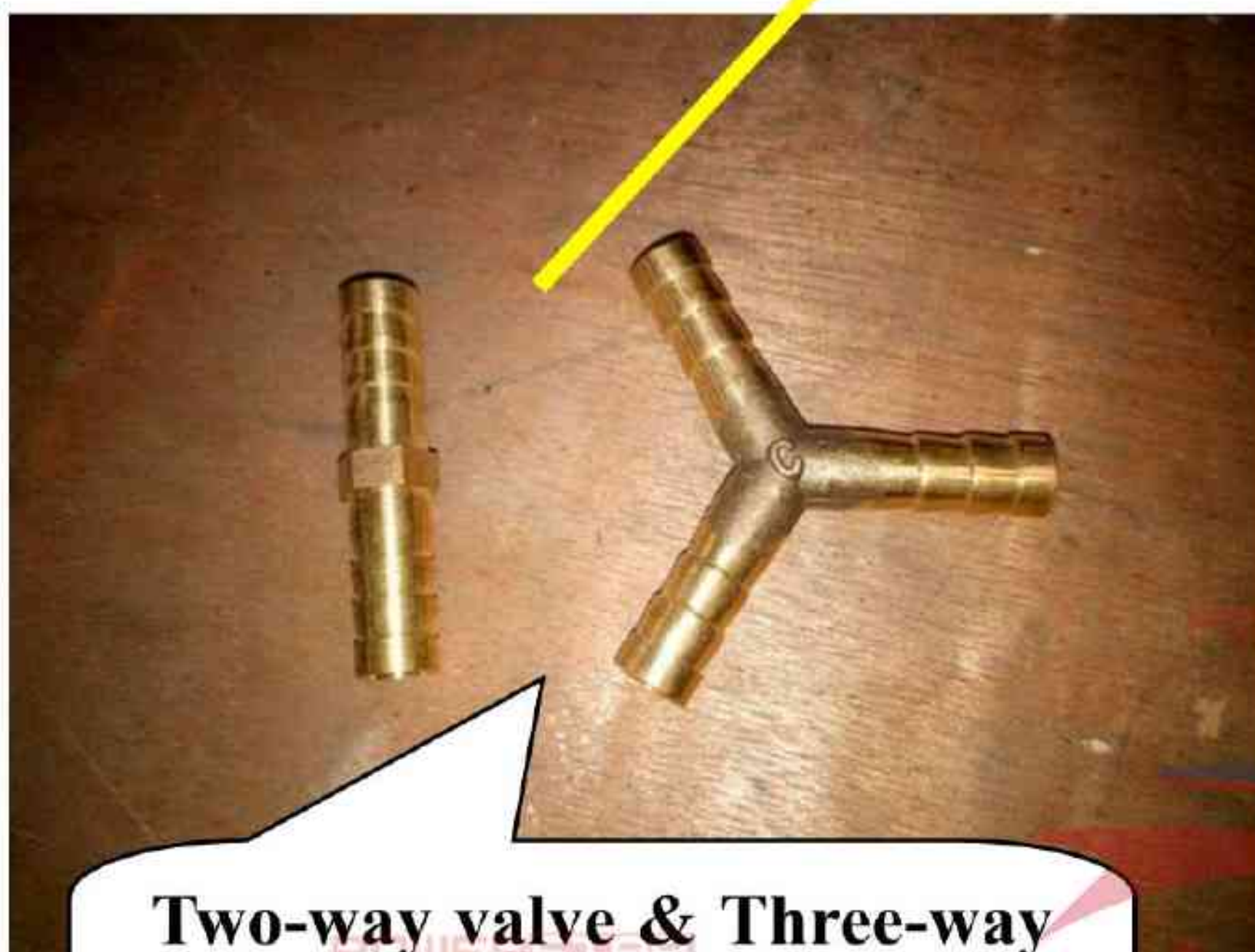
12V Positive Pole connect with JMC auxiliary engine
Negative Pole connect with chassis



Truck Fuel Tanker fixed, which supply fuel to truck chassis engine & auxiliary engine

Additional electricity line in parts box

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Two-way valve & Three-way valve used for oil pipeline connection



Open the side door to refueling the truck

10. Put the Main Control Box in driver Cabin and collection the electric line properly for easy operation.

Please note: Main Control Box use 24V Battery, means can directly connect with chassis battery



Main Control Box in Driver Cabin, which suggest fixing between seats



Connect the electric line properly



Main Control Box fixed in Driver Cabin, suggest being on co-driver seat

Rear Arrow Lights control box fixed near by



Main Control Box connects with all electric system, including control assembly, light assembly,

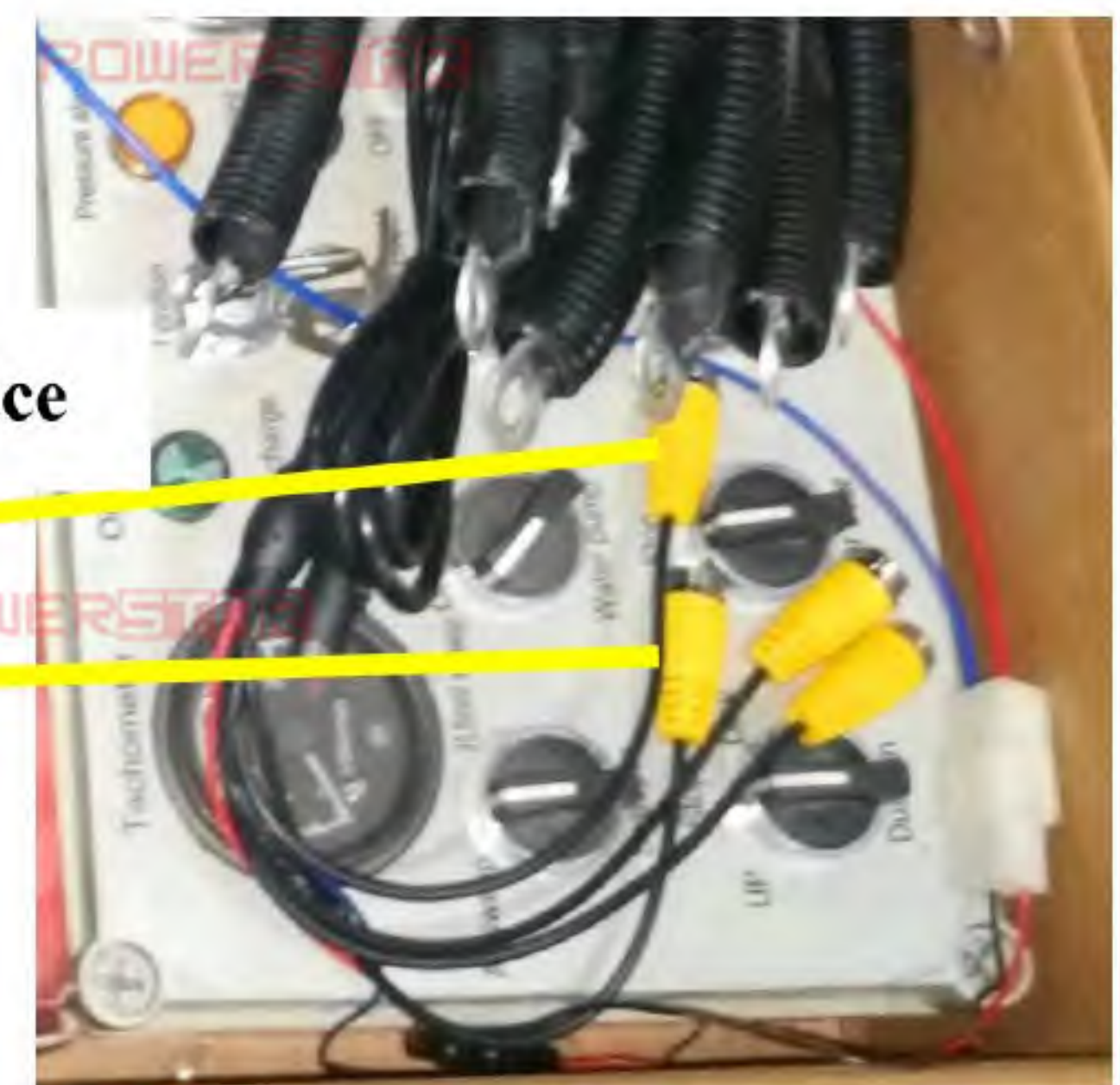


For One road sweeper body marked with number, means only need to match number

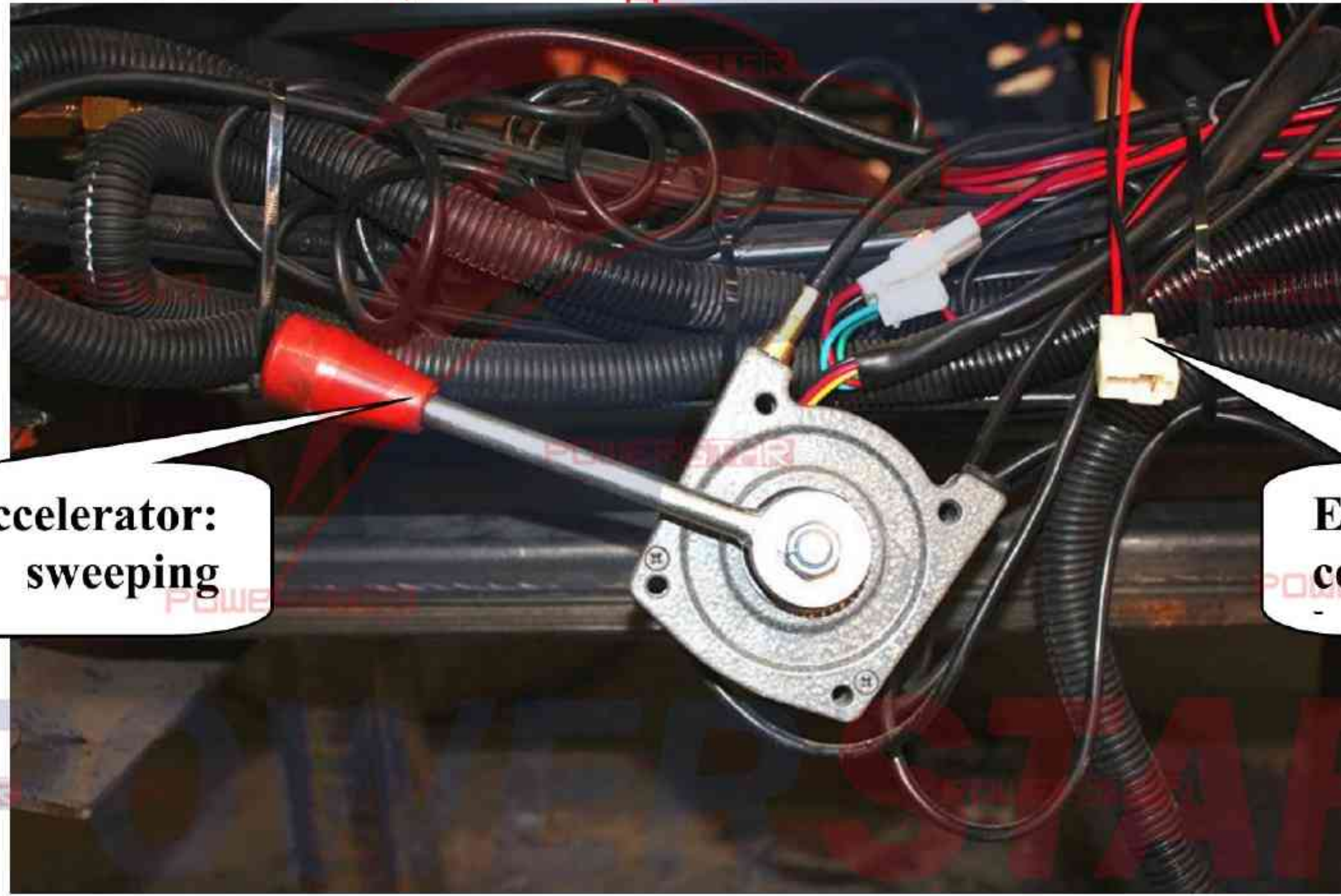


Connect Place

Totally three CCD cameras in Road Sweeper superstructure: two at side & one at rear



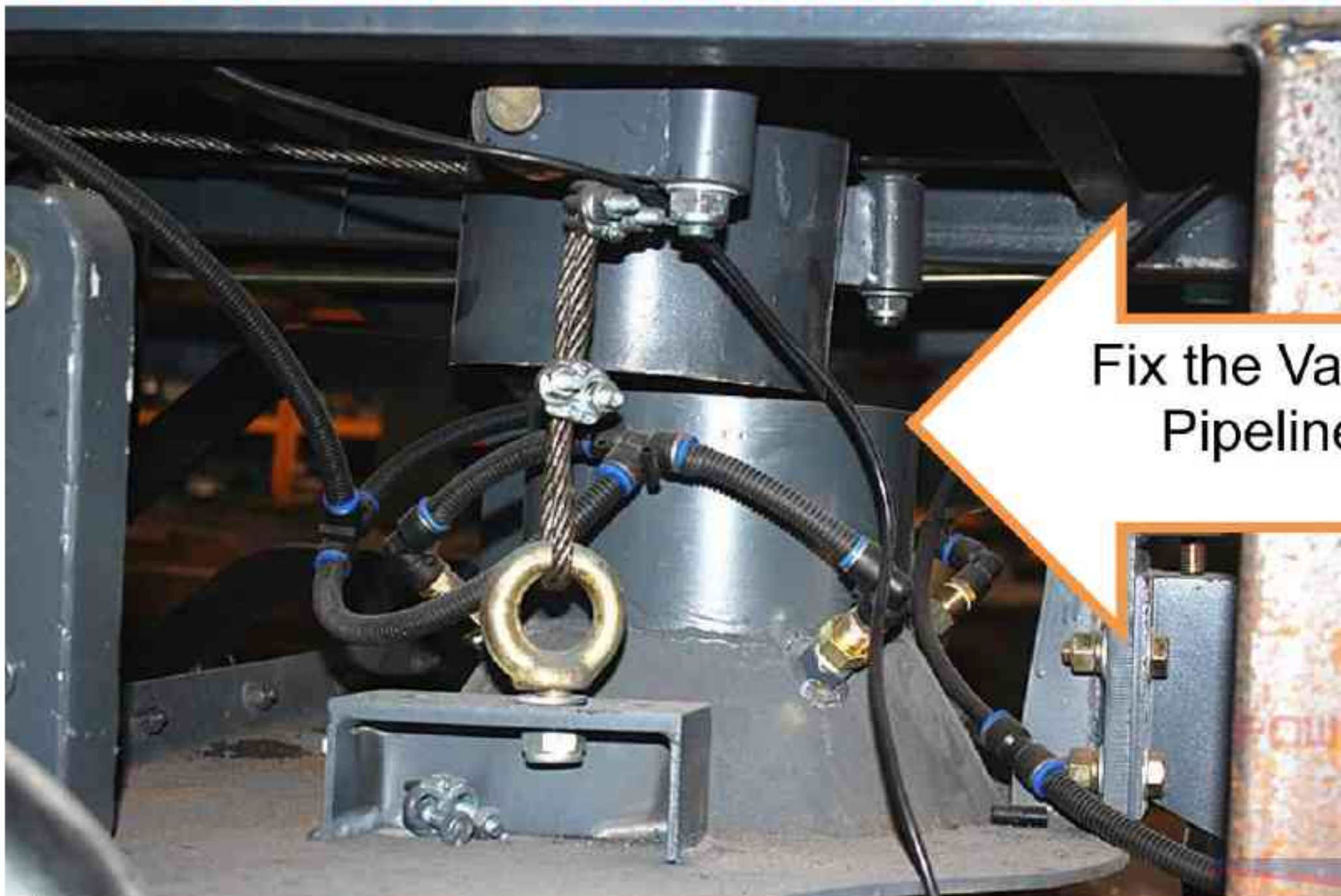
11. Fix the Hand Cable Accelerator, which supposed to be fix in cabin near the seat.



Hand Cable Accelerator:
can adjust sweeping

Electric control the
Line: width

12. Connect the Vacuum Suction Plate & Dust Tank by Vacuum Suction Pipeline



Fix the Vacuum Suction
Pipeline this place



**Vacuum Suction Pipeline:
Connect by Pipeline Hoop**

Two units Pipeline Hoop



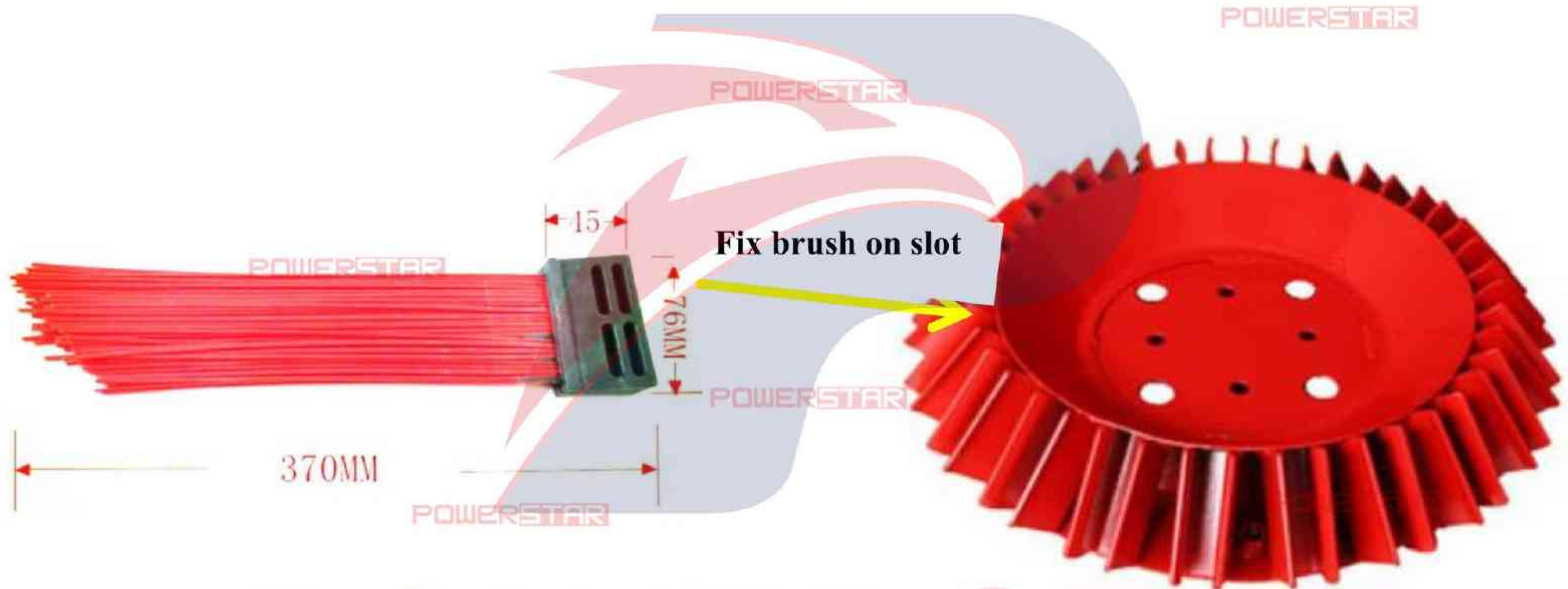
13. Sweeping Plate & Brushes, Fix 22 brushes on one sweep plate, Interval Fixation method would be proper

**Totally 4
brushes Plate
for road sweeper**



**Four bolts on sweeping
plate to fasten the
brushes**

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For one sweep plate,
interval install **22** units
sweep brushes



Take off the sweeping plate, then using hammer fix the sweeping brush on the slot showing above

Please note that: **One Sweeping Plate match with Twenty Two Sweeping Brushes**

14. Fix Suction Plate Mudapron on the plate and auxiliary chassis

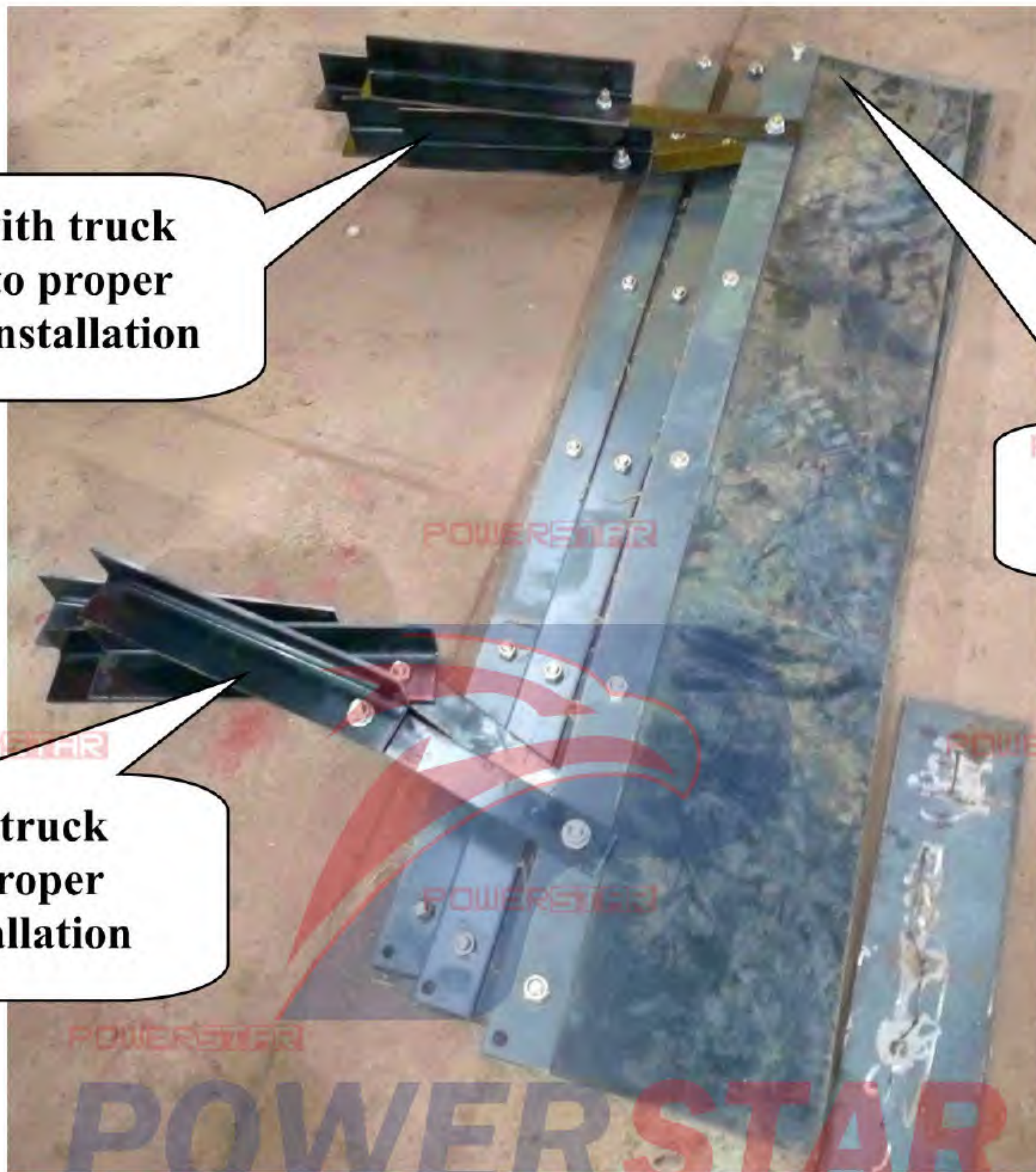


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Steel connect with truck chassis: Cut into proper height during installation

Hole with bolt connect with Iron Rope

Steel connect with truck chassis: Cut into proper height during installation



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The Mudapron should be installed at this position



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15. Rear Lamp installation guidance



Taillight placeholder: final size based on chassis rear lamp

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16. Clean water tank Liquid Level Indicator installation guidance



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Fix the Liquid Level Indicator Pipeline this place



Liquid Level Indicator should be installed like this

To keep the pipeline safety, we fasten them on road sweeper structure auxiliary frame