

POWERSTAR Road Sweeper Body Kit

User's Manual



POWERSTAR TRUCKS INDUSTRY CO., LIMITED

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

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	1 set	Installed
2	Clean Water Tank Assembly	1 set	1 set	Installed
3	Hydraulic Motor	4 unit	4 unit	Installed
4	Magnetic Valve	1 unit	1 unit	Installed
5	Sweep Plate	4 set	4 set	Installed
6	Hydraulic Oil Cylinder	8 unit	8 unit	Installed
7	Fan Assembly	1 set	1 set	Installed
8	Auxiliary Engine Assembly	1 set	1 set	Installed
9	Vacuum Suction Assembly	1 set	1 set	Installed
10	Auxiliary Frame Assembly	1 set	1 set	Installed
11	Vacuum Suction Pipeline	1 unit	1 unit	
12	Electric Control Box	1 unit	1 unit	
13	Main Control Box	1 unit	1 unit	
14	Rear Door Sealing Strip	1 unit	1 unit	
15	Water Pipeline	1 unit	1 unit	
16	Three-Way Valve	1 unit	1 unit	
17	Two-Way Valve	1 unit	1 unit	
18	Pipeline Hoop	1 unit	1 unit	
19	Compound Gasket	1 set	1 set	
20	Suction Plate Mudapron	1 unit	1 unit	
21	Diesel Pipeline	1 unit	1 unit	
22	Sweep Brush	88 unit	88 unit	

Please note that all spare parts in CHINA SHIPPING logo Container (Unique lock X027435)

Number 1-5 Road Sweeper Superstructure Brief Introduction

1. Tank Assembly:



2. Dust Bin Assembly



**Dust Bin Assembly: 4CBM
With hydraulic rear door**

Cleaning Water Assembly: 1CBM



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4. Auxiliary Engine Assembly & Fan Assembly

Fan Assembly

Auxiliary Engine Assembly: ISUZU brand 57kw



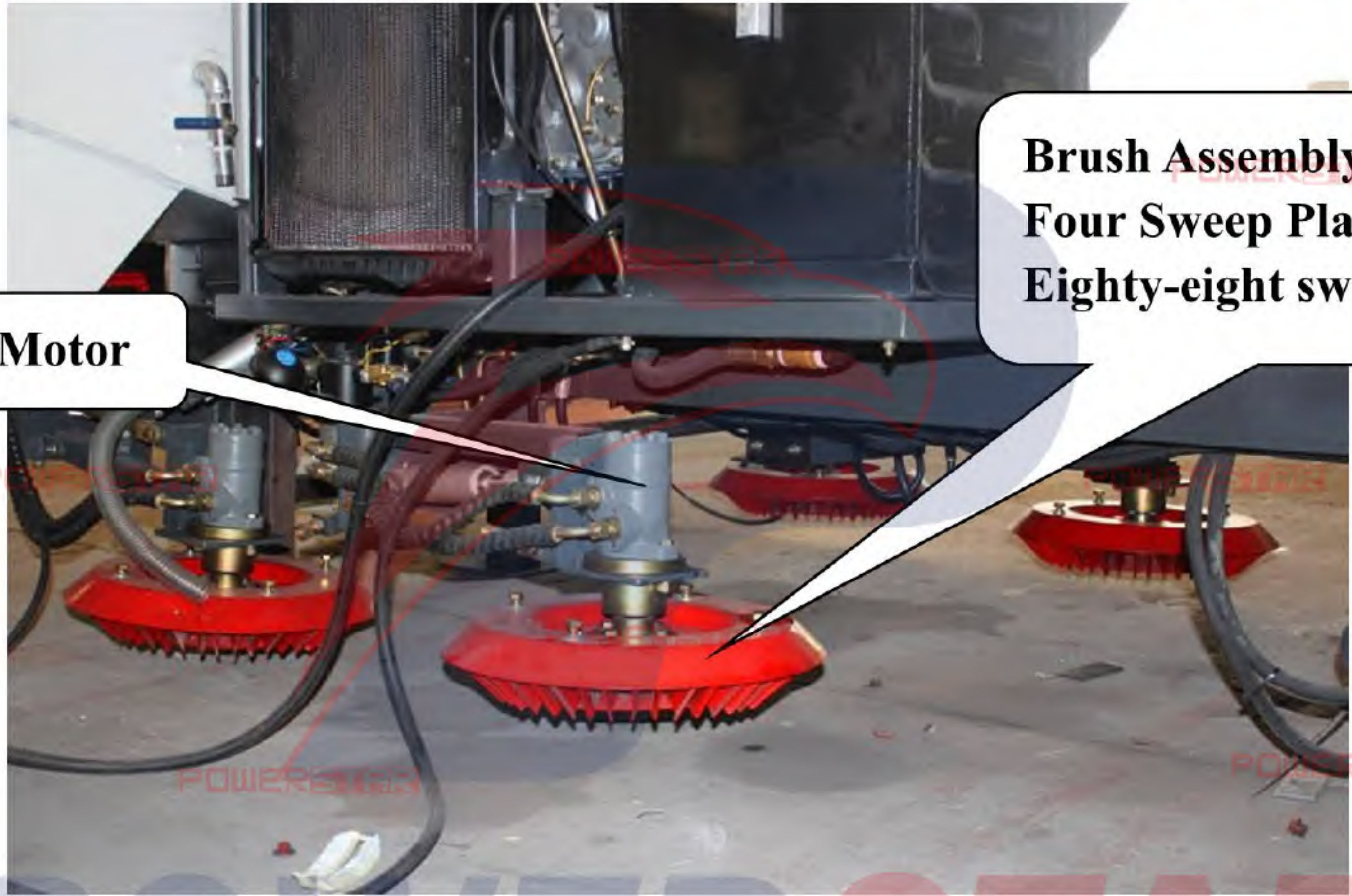
Auxiliary Engine Assembly : JMC brand 57kw

Fan Assembly



Hydraulic Motor

Brush Assembly:
 Four Sweep Plate
 Eighty-eight sweep brushes



6. Vacuum Suction Assembly

Vacuum Suction Assembly
 Rear of the sweeper tank



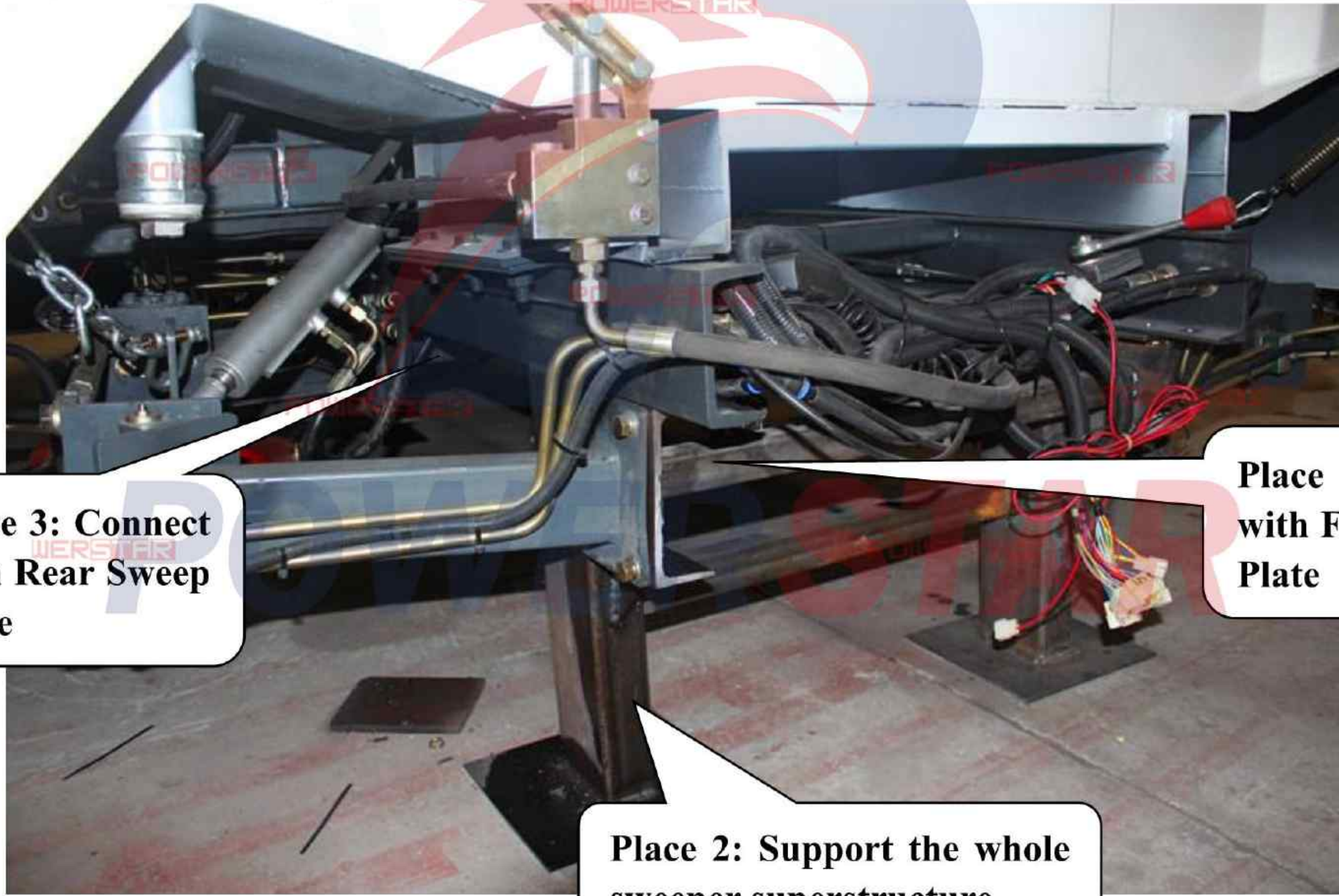
7. Control Assembly

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.



Place 3: Connect with Rear Sweep Plate

Place 1: Connect with Front Sweep Plate

Place 2: Support the whole sweeper superstructure

Place 4: Support the whole sweeper superstructure, and easy for Container delivery



Connect the Sweeper Kit & Truck Chassis by U-shape Bolt

Road Sweeper Kit Frame

ISUZU Truck Frame

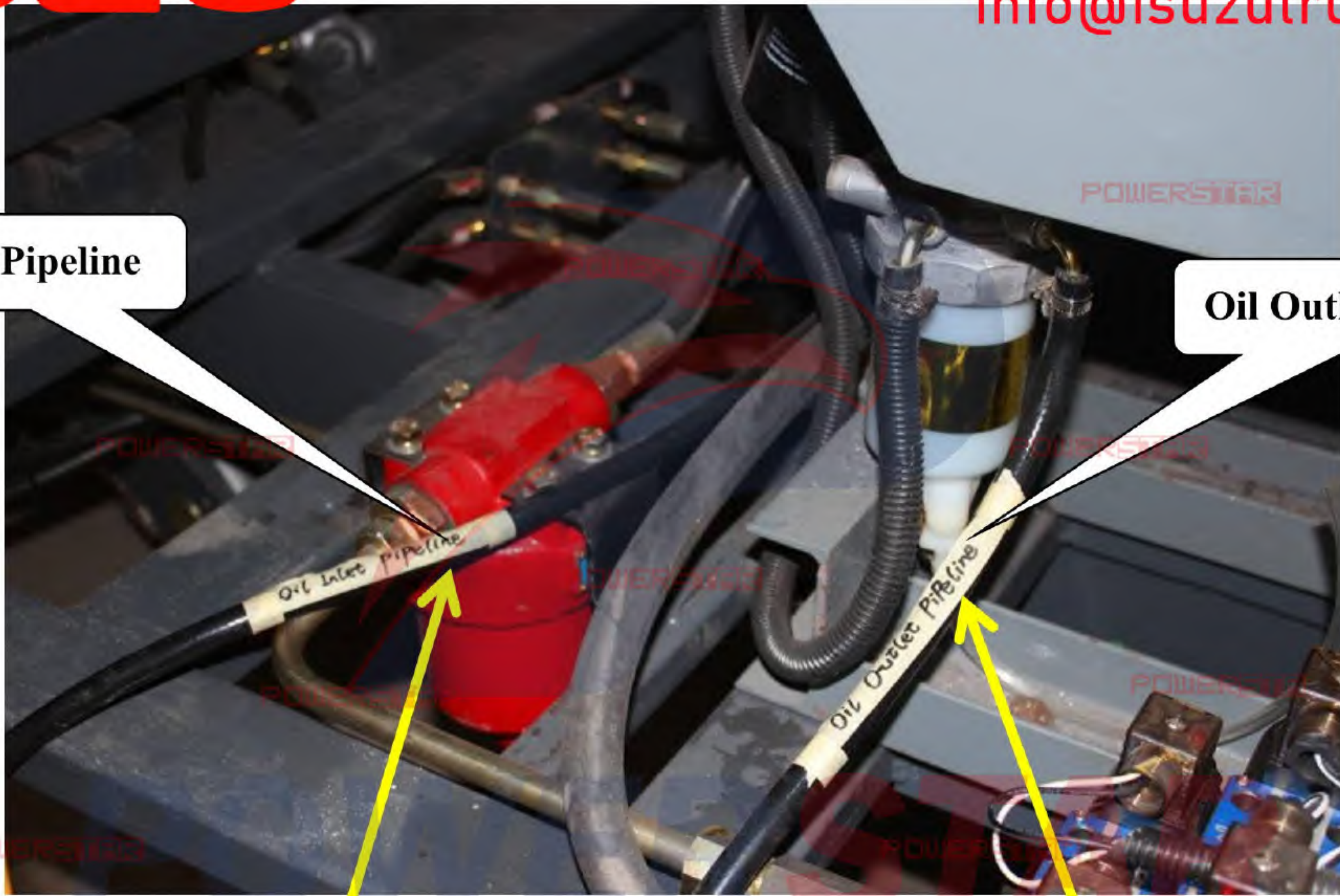
9. Fix Truck Chassis Battery & Fuel Tanker nearby auxiliary engine, detail place showing as below

Please note: JMC brand auxiliary engine use 12V Battery, which has been installed



Oil Inlet Pipeline

Oil Outlet Pipeline



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 12V Battery, means can directly connect with chassis battery



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



Connect the electric line directly



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

Rear Arrow Lights control box fixed near by



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

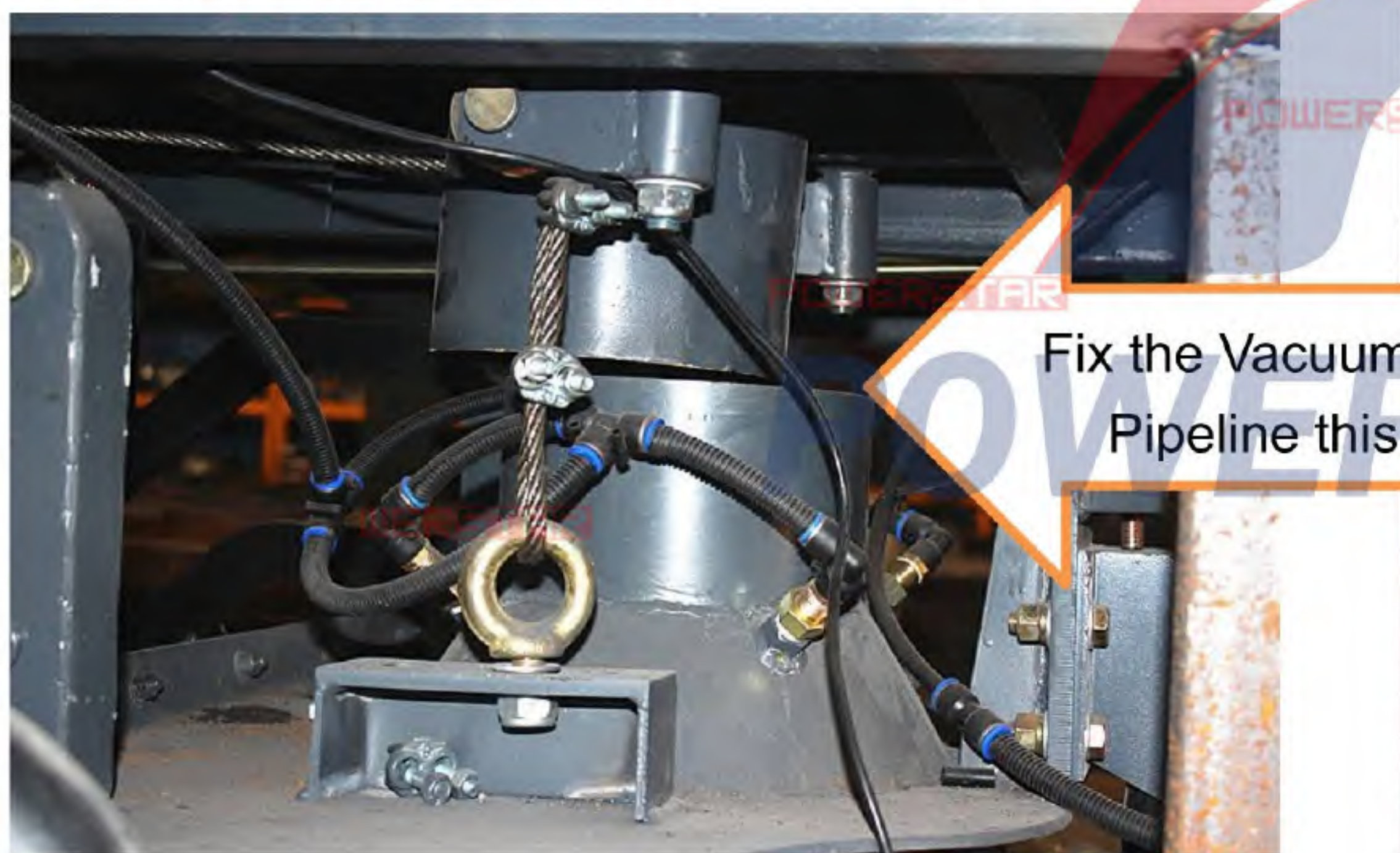
**Hand Cable Accelerator:
can adjust sweeping speed**



**Like this picture showing,
the Hand Cable Accelerator
installed near by driver-seat**



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

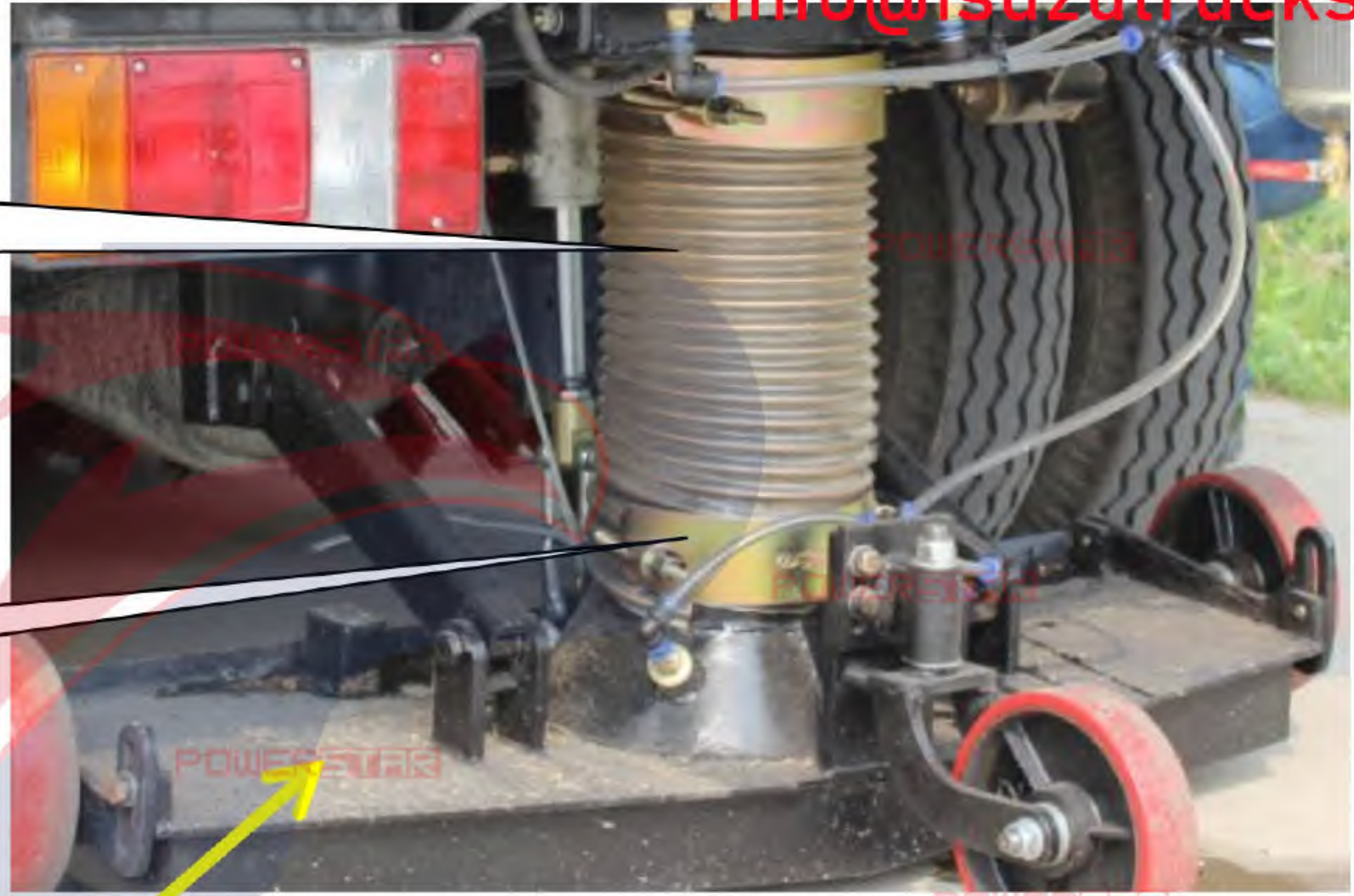


**Fix the Vacuum Suction
Pipeline this place**



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

Two units Pipeline Hoop



**Suction Plate
Installation**



**Steel and Rope connected
as lifting arm**

(Well installed model for suction pipeline)

13. Sweeping Plate & Brushes,

Step 1: Fix the 4 sweeping plate on your HINO truck chassis

Step 2: Fix 22 brushes on one sweep plate, Interval Fixation method would be proper



When sweep plate fix on chassis frame would be like this model

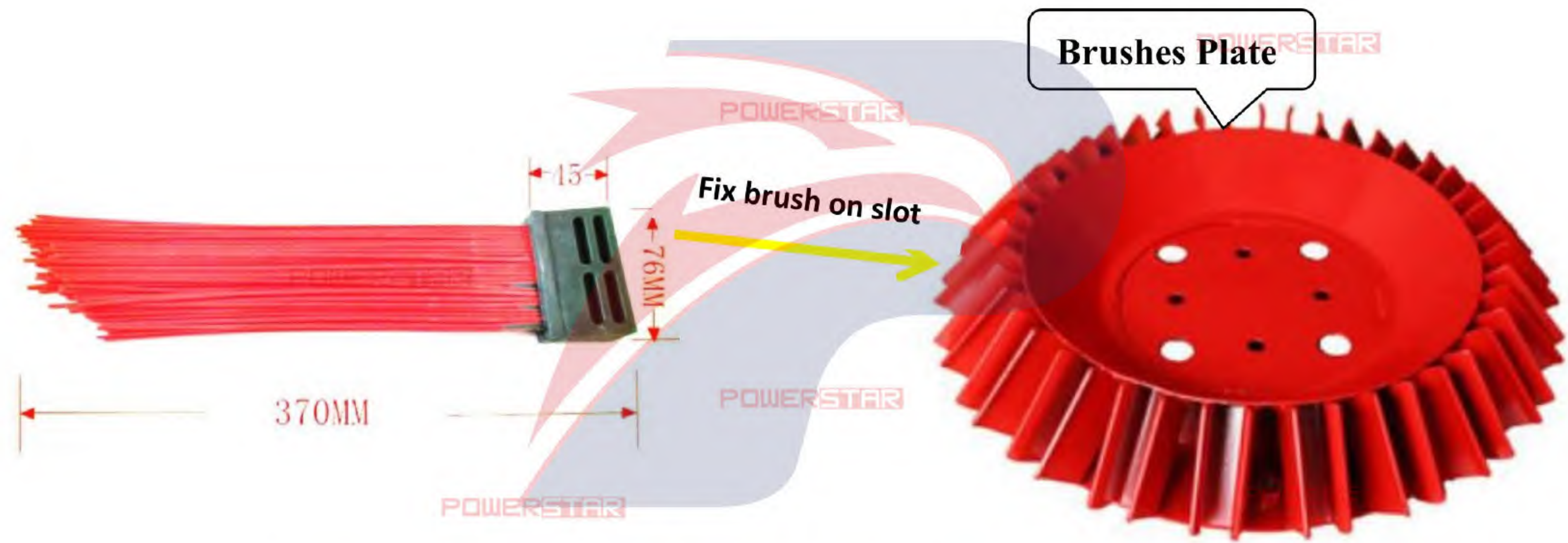


Each sweeping plate use 4 bolts to fix on chassis frame



Totally 4 brushes Plate for road sweeper truck

Four bolts on sweeping plate to fasten the brushes plate



For one sweep plate, interval install 22 units sweep brushes



Take off the brush 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



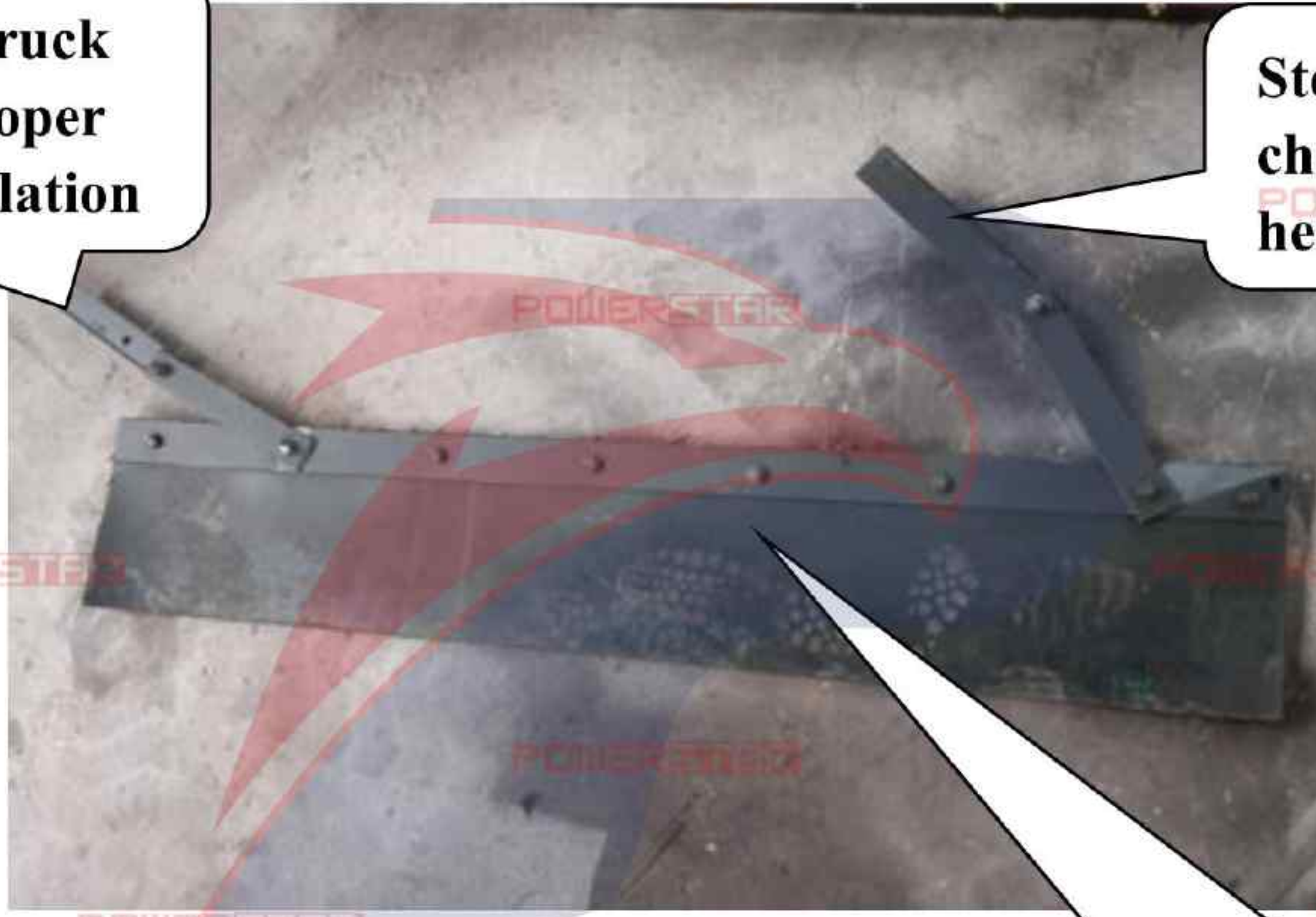
Mudapron: Keep road clean during driving



Iron Rope: Connect Mudapron & Auxiliary Frame

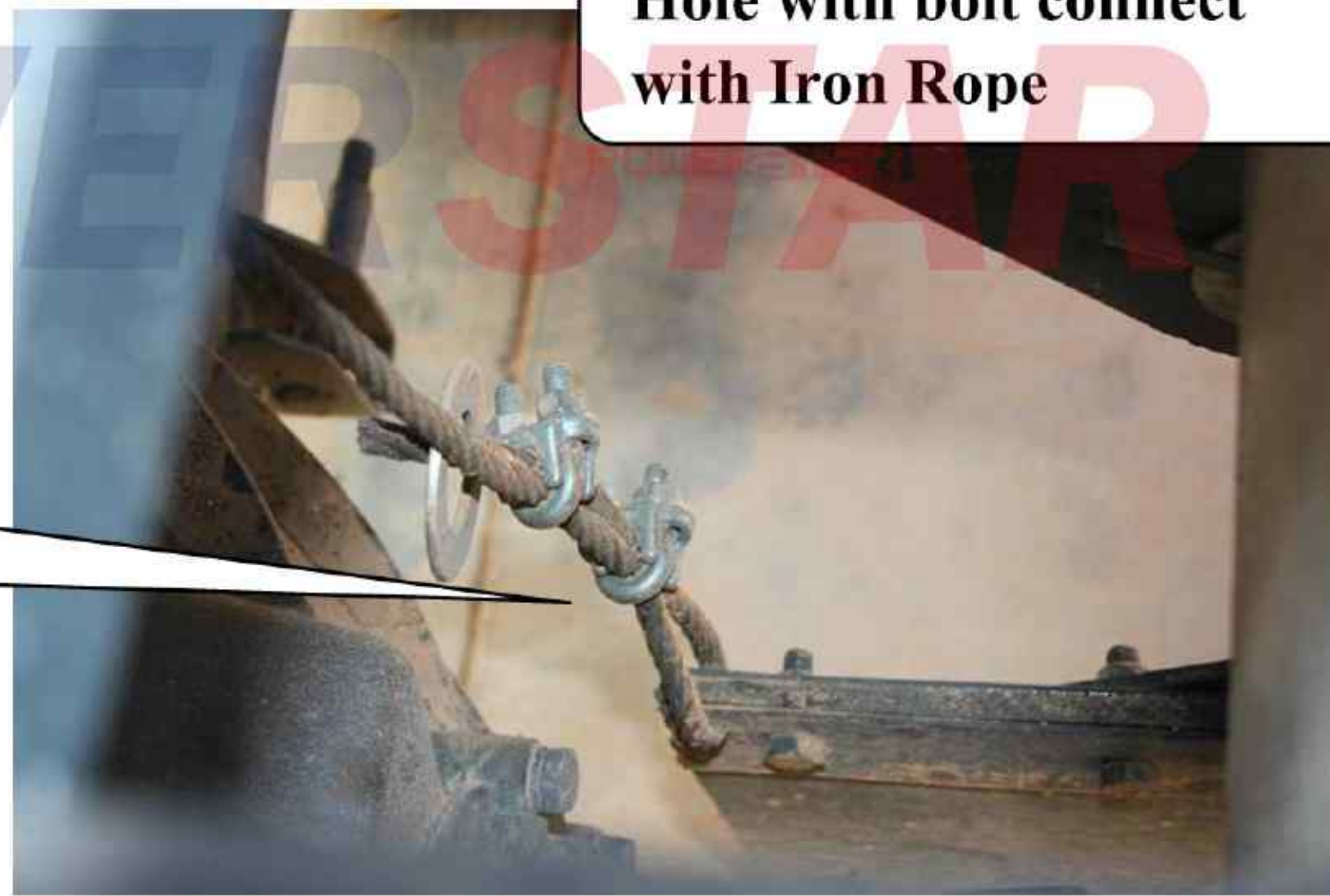
Steel connect with truck chassis: Cut into proper height during installation

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



Hole with bolt connect with Iron Rope

Use the rope to



The Mudapron should be installed at this position



15. Rear Lamp installation guidance



Taillight placeholder: final size based on chassis rear lamp