

PREPARATION ROOM

ITEM NO:EE-7650

USER MANUAL



KEEP THE MANUAL NEAR THE
MACHINE ALL TIME AND MAKE
SURE ALL USERS HAVE READ
THIS.

FOLLOW THE INSTRUCTIONS
CAREFULLY TO GRANT THE
MACHINE A CORRECT
FUNCTION AND LONG
SERVICE LIFE.

EAE Automotive Equipment Company Limited

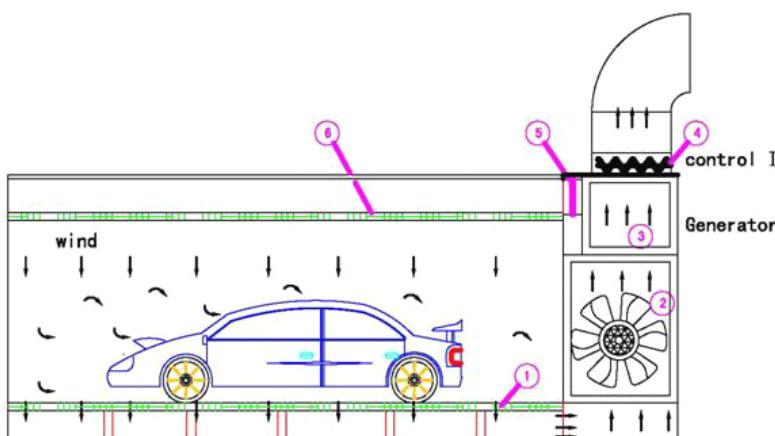
The manufacturer keeps the rights to improve the
contents in this manual.

Tel:+86-21-32500750
Fax:+86-21-32500785
[Http://www.eae-ae.com/](http://www.eae-ae.com/)
sales@eae-ae.com

I、Working Principle

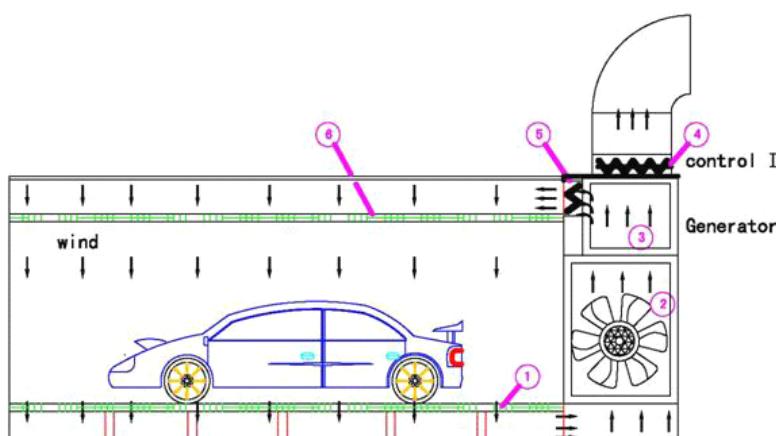
The car preparation room EE-7650 consists of back wall, moving curtain and the aerator system, the adjustment system of ventilation, filter system, basement, lighting system, control system, etc. The preparation room has two functions: Sanding Process and painting compensation Process.

- 1、Sanding process: The ventilation process is as the following chart:
- 2、The operation steps: Withdraw the sides curtain or the front curtain → Close the damper of fine filter chamber ⑤ and open the damper ④ → turn on the blower ② → The blower take the exhaust air into the filter system from the grids, then inside the generator → the dust will be absorbed into the filter system → the filtered air will be taken out from the duct



Sanding Process chart

- 3、Painting repairing process is as the flowing chart:



Base painting Process chart

The painting repairing steps: Withdraw the sides and front curtain → Open the damper ⑤ and adjust the exhaust duct ④ → Turn on the blower → Some waste air will enter the filtering cotton and the dust-absorber filter → flowing into ventilator chamber, then the air be take into the filter system inside the generator, through the top filter and grids under the ground → Some exhausted air will be taken out from the duct and some fresh air will be taken in from the gap of the curtain.

II、Technique Parameters

Internal size: $6.0 \times 3.5 \times 2.7$ M (L×W×H)

External size: $7.2 \times 3.6 \times 3.2$ M (L×W×H)

Illuminating lights: $8 \times 4 \times 40W = 1.28$ KW

Total Power: 7KW

Power of blower: 1×5.5 KW

Ventilation Capacity: 18000 m³/h

Thickness of back wall: 50mm

Filter area: 15 m²

III、The introduction of the control box panel

1. POWER

The indicator light for power on/off

2. BLOWER

The indicator light for blower on/off

3. LIGHTING

The indicator light for light on/off

4. POWER ON/OFF

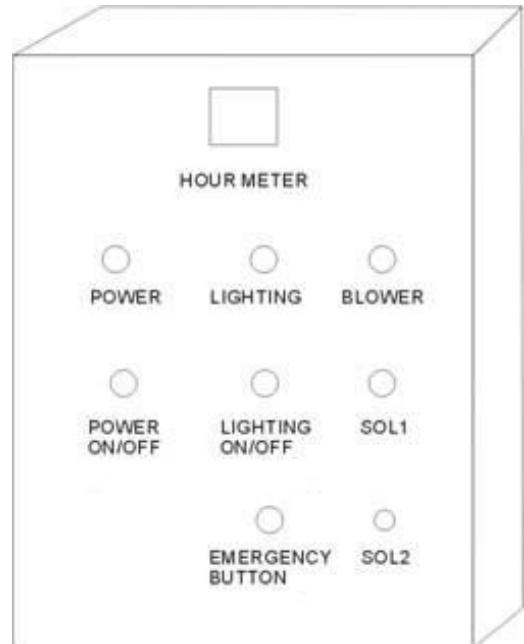
Put key into switch, turn to “ON”,

Start loop of electrical box;

turn to “OFF” for close.

5. START

Press this button, blower starts, and indicator light on.



6. STOP

Press this button, the power of blower will be cut off and work will be stopped. Indicator light will be turned off.

7. SOL1、SOL2

The button for controlling the damper ④ and fine filter of it ⑤, turn clockwise to open damper for increasing the wind capacity, otherwise will decrease the wind capacity

8. EMERGENCY

Press the EMERGENCY key if some emergency situation happen, then the power will be cut off and the motor will be stopped.

IV、Operation instruction and steps

1、Switch on the outer electric power, indicator light on, the equipment is ready for working.

Turn “POWER” switch with key clockwise to “NO”, blower start to operating, accumulative time meter begin to work, then the blower indicator turn on. Contrarotate the “Power” to “Off”, blower turn off, accumulative time meter stop to work, then the blower indicator turn off.

2、Adjust damper 1 SOL1) or damper 2 SOL2) to finish sanding or paint mending process:

(1) Turn damper1 (SOL1) or damper2 (SOL2) clockwise, damper open degree will be increased till full open; Otherwise decrease till complete close.

(2) While sanding, withdraw movable shade (or draw back only one shade such as front shade), close damper⑤ (SOL1), start damper④ (SOL2), finish the whole sanding process (see sketch map of sanding work).

(3) Paint mending work: pull off the movable shade and start damper⑤ (SOL1), adjust damper ④ (SOL2) to suitable position, then a part of air current will enter damper⑤ and cleaned by filter then flow down equably from the top, while other part of air will be vented outside through damper adjustment④, meanwhile some fresh air will be filled in through gap of shade. The whole paint mending process will be finished (see sketch map of paint mending work).

3、Turn illumination switch “LIGHTING” to “ON”, illumination lights on and “LIGHTING” on; turn to “OFF”, lights off and “LIGHTING” off.

4. Start switch with key and illumination switch are controlled independently and non-interfering; adjust damper 1 (SOL1), adjust damper 2 (SOL2) and accumulative switch only start working after ventilator starts, or they will not work.
5. “EMERGENCY BUTTON” switch. If emergent situation, such as strange sound, lack phase, circuit failure or other abnormal ones occur inside ventilator, use this switch for emergent turnoff: press the button vertically, all control circuit will stop working, making emergent turnoff; turn the button clockwise, it will bound back automatically for switch reposition to connect the power again. It’s not allowed to use this switch to close or start for control equipments in normal situation.

VI、Notices for Preparation Room operation

1. Drainpipe is needed on ground to drain unwanted seepage;
2. It is not suitable to clean the sanding room by water often;
3. Keep the floor clean and clear the ground before working ;
4. Clean vehicle before entering and remove flammable or explosive danger (except for gasoline in oil box);
5. Mending paint work is an accessorial function. Spray paint area should not be too large and spraying time should not be too long;
6. Workers must dress work clothes and change shoes before entering the sanding room.
Smoking is prohibited;
7. Don’t pile sundries inside the sanding room;
8. Clean or change dust collector filter and other filters termly.

VI、Routine Maintenance for Preparation Room

1. Clean ground filter after each work;
2. Change back filter and dust collector filter after 200 hours each work;
3. Clean dust collector filter by compress air after 40 hours work;
4. Change the top filter inside the sanding room after 200 times of spraying-work;
5. Clean dust on ventilator leaves one time after 200 times of spraying-work.

VII、Frequent Malfunction and Maintenance for Preparation Room

Malfunction	Possible Cause	Solution
Fan capacity is to small while sanding	1. Ground filter is blocked 2. dust collector filter is blocked 3. The damper not open completely 4. Not enough opening for damper④	1. Clean or change floor filter 2. Clean or change filter of dust collector 3. Let it open completely④
Adjustment failure for wind door opening	1、the axis of damper actuator is skidding 2、Damper actuator is damaged	1、Fasten again 2、Change
major ventilator can started	1. Fuse break 2. control circuit break 3. engine circuit break	1. Change fuse 2、Maintain and Connect 3、Maintain and change engine
Major ventilator vibrate tempestuously	1、screw loose 2、wind leaves is dirty and imbalanced	1、Check and tighten it 2、Clean and revise for balance