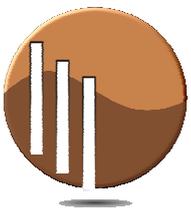


K.B.O

*Assembly instruction of
cab for
Hyundai 18 and 33 - 7E
With and without
Gabarits of assembly*



K.B.O

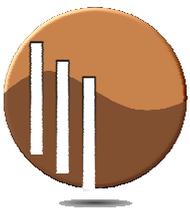
I.ROOF



1. Put roof panel in such a way that it covers OHG evenly.

2. Assembly roof to OHG using angle bars (1) and screws M6x16.





II. FRONT PANEL

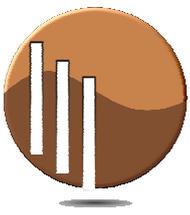


1. Put front lower beam to OHG in such way so lower part this beam is directly and evenly adhered to front part of cockpit (1).

2. Then assembly this beam to front side profiles of OHG using self-drilling Ø4,8x19 screws.



2. Decouple wires of front lamps before assembly of front upper beam. Screw front lamps with their covers out. Put front upper metal beam (2) against OHG in such a way that top part of the bar adheres to front inner part of forklift roof frame. Assembly front upper beam to side part of OHG using original screws together with covers of lamps. Draw wires of front lamps trough hole (3) that is in front upper beam.



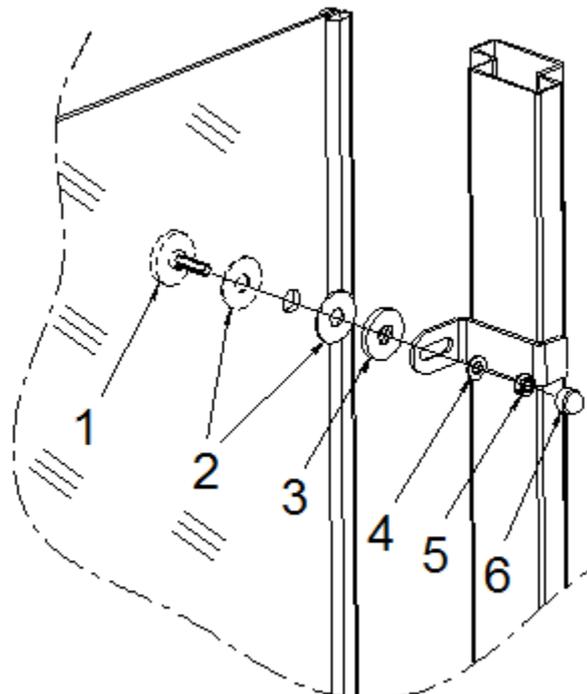
K.B.O

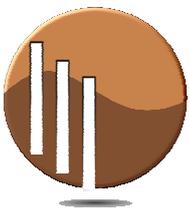


3. Prepare assembly set that is used for front glass/pane with assembly holders (4) to front profiles of OHG in such way so this glass is directly and evenly adhered to front upper and lower beam. Assembly holders to OHG using M8x25 screws.

Complete assembly set for front glass:

- 1 – M8x25 screw
- 2 – rubber washer
- 3 – spacer
- 4 – washer Ø8
- 5 – self-locking nut M8
- 6 – hex cap SW13

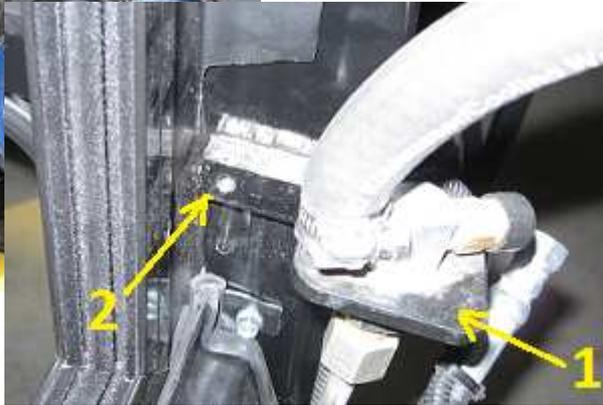




III. REAR PANEL



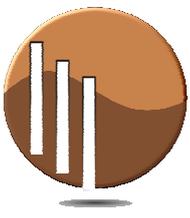
1. If holder of reduction of gas-fitting (1) is on inner part of rear profile of OHG move this holder of reduction of gas-fitting one step backwards so hoses of gas-fitting do not clash with rear panel. Put rear panel to OHG in such a way that top panel seal adheres inner edge of rear upper profile of OHG evenly. Cut part that is in lower part of OHG should adheres inner side of holder of reduction (2) evenly



2. Assembly rear frame to OHG using self-drilling $\text{Ø}4,8 \times 19$ screws.

3. Assembly lower rear beam to outer lower part of rear frame using M6x20 screws.





IV. DOORS (1 version: marking assembly holes without special tool)

1. Put and set (locate) door so distance between inner part of cavity of OHG and edge of door (seal) is the same in all places.

2. Mark places for holes for hinges on OHG.

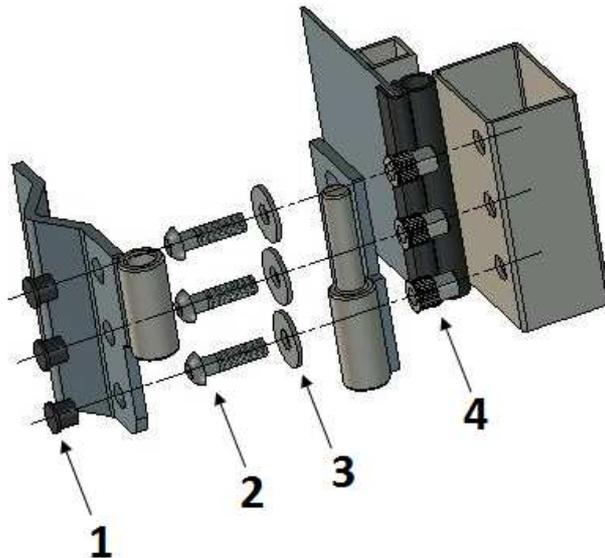
3. Drill holes $\text{Ø}11$ and set blind rivet nuts M8 in these places.

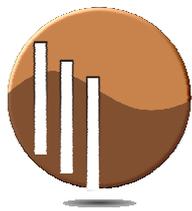
4. Assembly hinges (1) to OHG using M8x30 screws



Complete assembly set for door hinge:

- 1 – mask cap
- 2 – M8x30 socket head cap screw
- 3 – washer extend $\text{Ø}8$
- 4 – blind rivet nut M8





K.B.O

5. Prepare assembly set that is used for gas spring (drawing below). Assembly gas spring to ball pin by OHG of door. Put holder (2) onto the other end of this gas spring.

6. On OHG mark so called „dead” position of gas spring so this gas spring can not change its position when doors are in move. When this position is marked then 7 cm in back direction of part of forklift should be taken

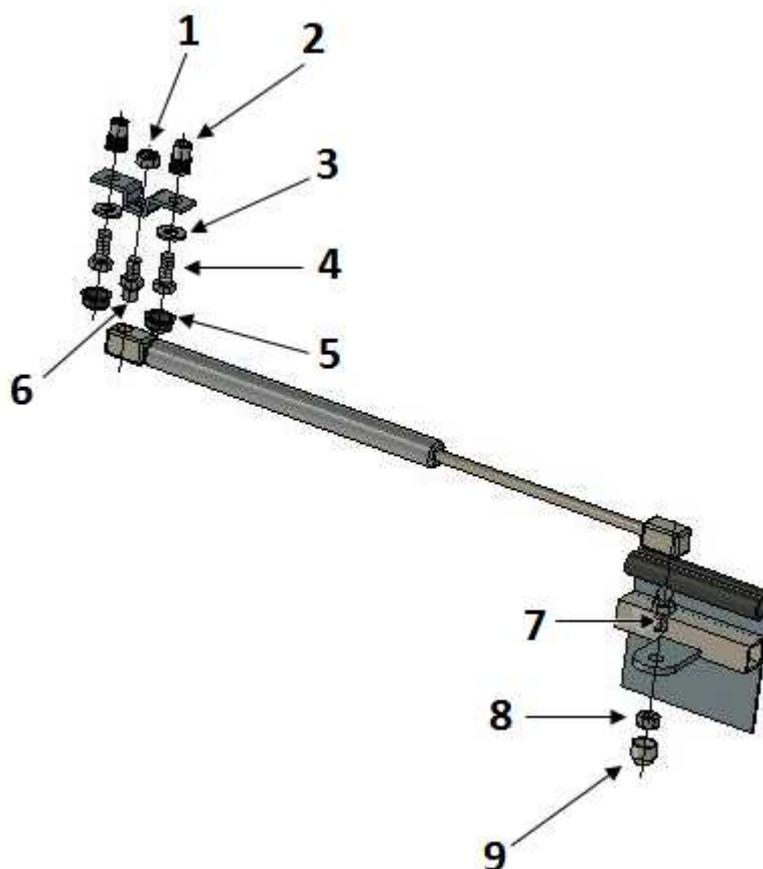
7. Mark places for assembly holes on OHG using holder of gas spring. Drill holes $\text{\O}11$ in marked places and put rivet nuts M8 into them.

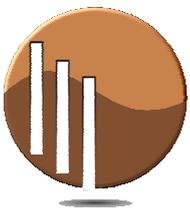
8. Assembly this holder to OHG using M8x20 screws.



Complete assembly set for gas spring:

- 1 – self-locking nut M8
- 2 – blind rivet nut M8
- 3 – washer $\text{\O}8$
- 4 – M8x20 screw
- 5 – round cap SW13
- 6 – ball pin
- 7 – ball pin
- 8 – self-locking nut M8
- 9 – hex cap SW13





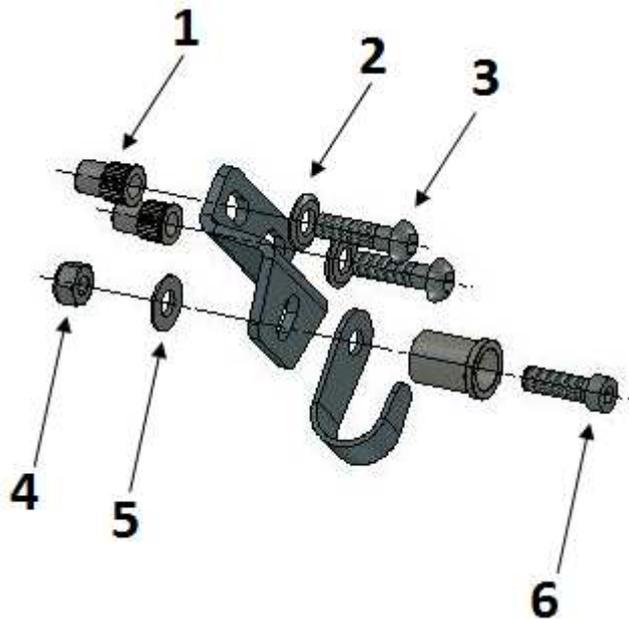
K.B.O

9. When door is closed mark places for assembly hole of lock latch holder (3) on OHG Drill holes $\text{\O}11$ in marked places and set blind rivet nuts M8. Assembly lock latch holder using M8x25 screws.



Complete assembly set for lock latch holder:

- 1 – blind rivet nut M8
- 2 – washer $\text{\O}8$
- 3 – M8 socket head cap screw
- 4 – self-locking nut M8
- 5 – washer $\text{\O}8$
- 6 – M8 socket head cap screw

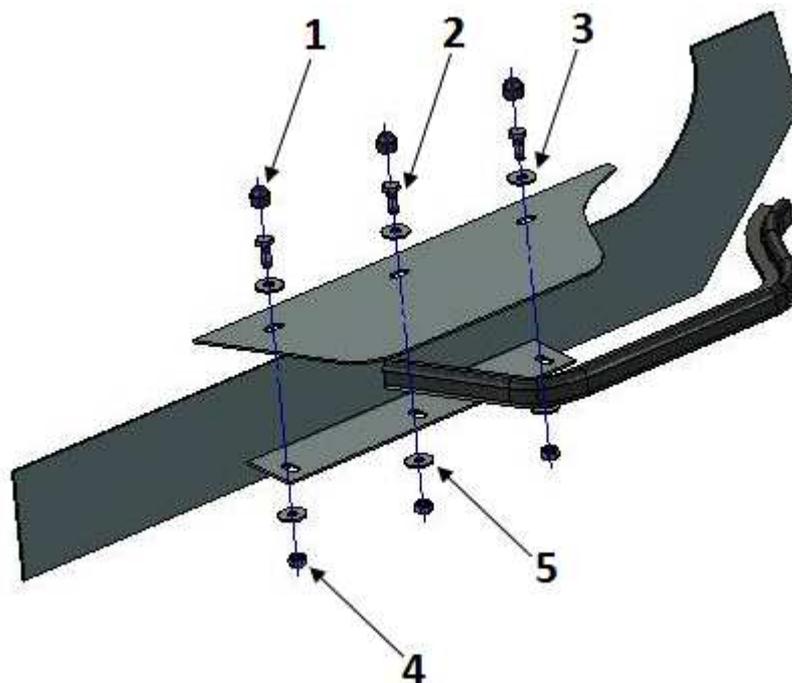


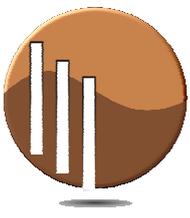


10. If there is any gap between floor of door and floor of forklift when door is closed, floor of door must be regulated by pushing it on bean-shaped holes to get rid of this gap.

Complete assembly set for floor of door:

- 1 – hex cap SW10
- 2 – M6x16 screw
- 3 – washer extend Ø6
- 4 – self-locking nut M6
- 5 – washer extend Ø6





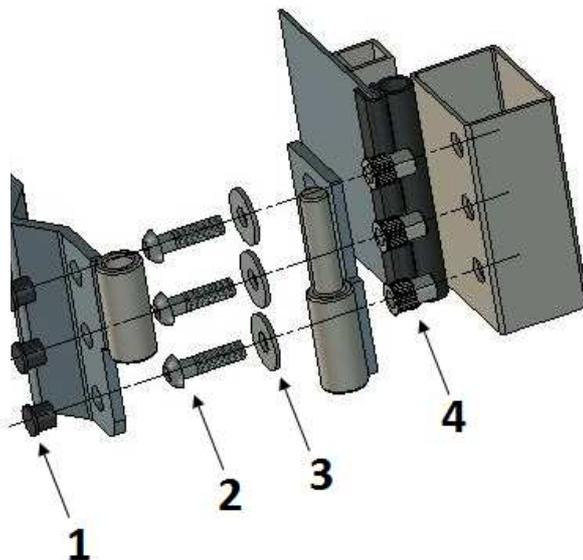
V. DOORS (2 version: marking assembly holes with special tool)

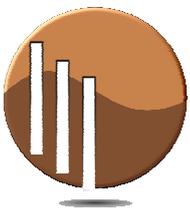
1. Put special tool for marking assembly holes to outer and front side of rear profile of OHG and push this tool to inner rear part of upper profile (1). Mark assembly holes by hitting in bolts (2). Drill holes $\text{Ø}11$ in these places and then set blind rivet nuts M8. Assembly hinges (3) using M8x30 screws.



Complete assembly set for door hinge:

- 1 – mask cap
- 2 – M8x30 socket head cap screw
- 3 – washer extend $\text{Ø}8$
- 4 – blind rivet nut M8



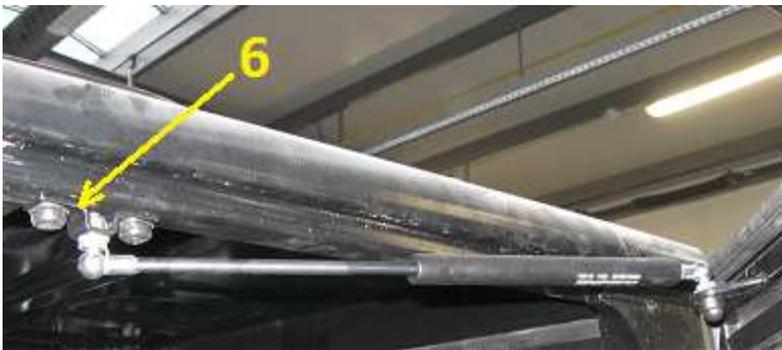


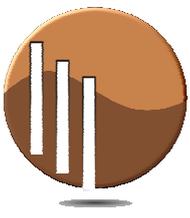
K.B.O

2. Put special tool for marking assembly holes to inner side of upper profile of OHG and push this tool to front part of bracket (4).

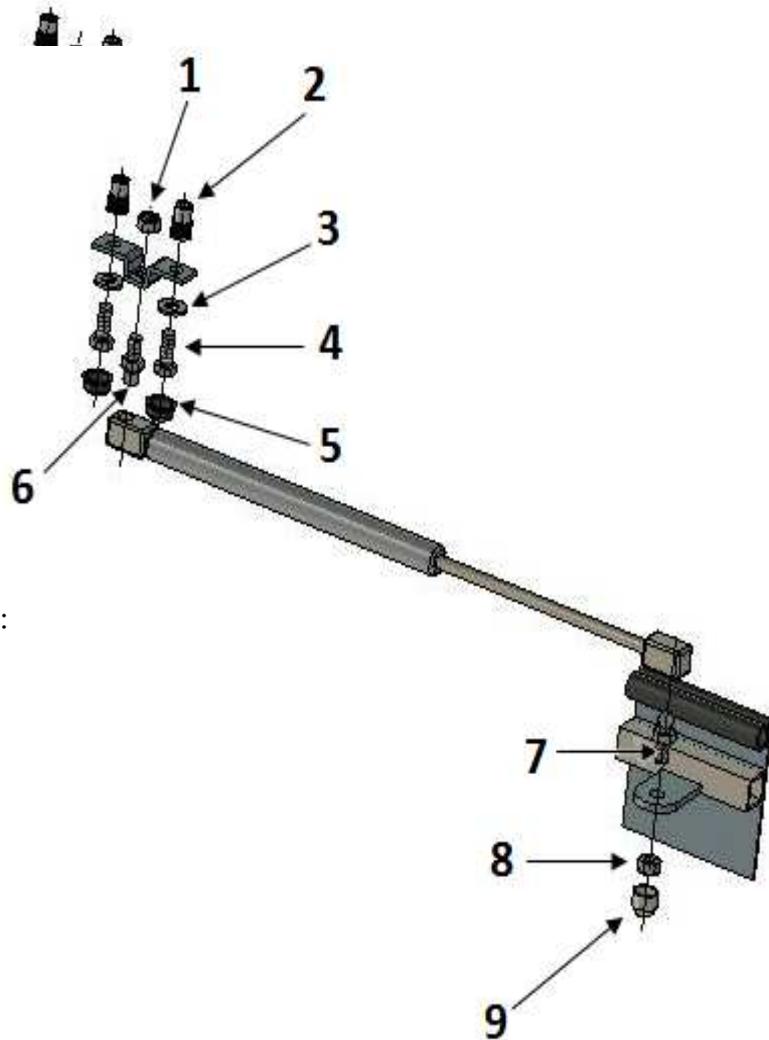


Remark: this tool must be pushed to interior of cab firmly. Mark assembly holes for holders of gas spring by hitting in bolts (5). Drill holes $\varnothing 11$ in these places and then set blind rivet nuts M8. Assembly holder of gas spring (6) using M8x20 screws.



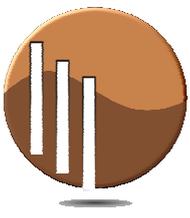


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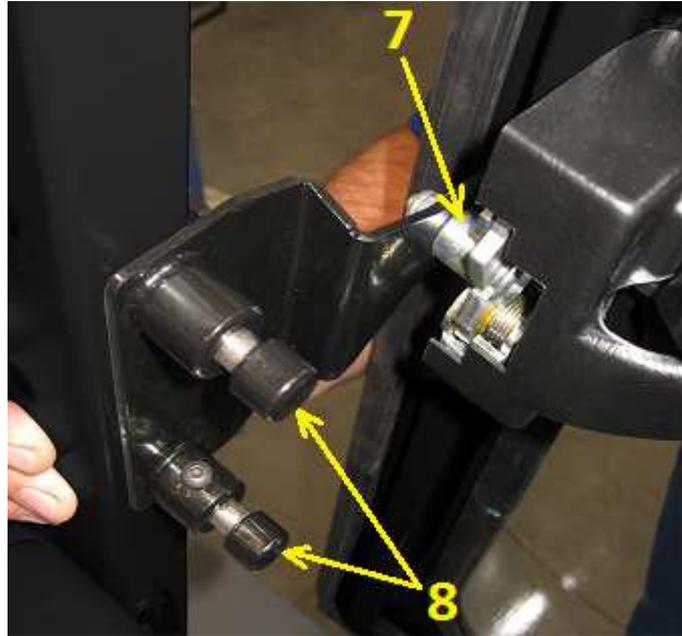
Complete assembly set for gas spring:

- 1 – self-locking nut M8
- 2 – blind rivet nut M8
- 3 – washer Ø8
- 4 – M8x20 screw
- 5 – round cap SW13
- 6 – ball pin
- 7 – ball pin
- 8 – self-locking nut M8
- 9 – hex cap SW13



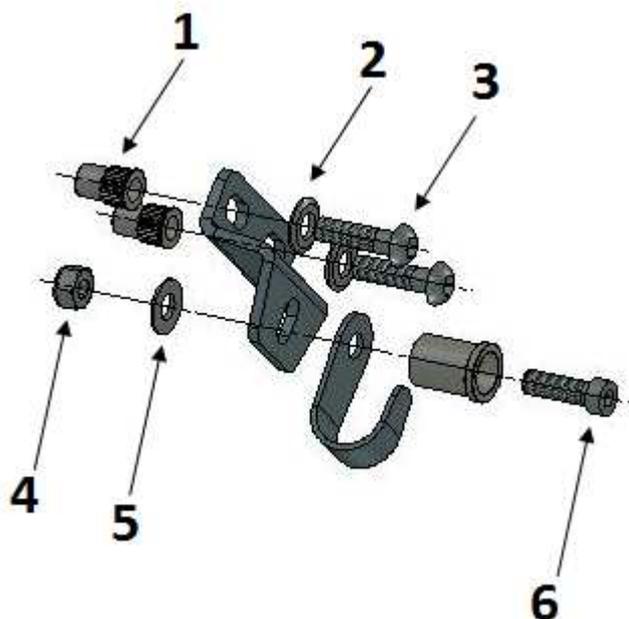
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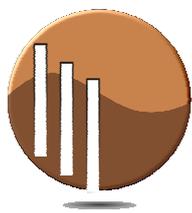
3. Close lock of door on special sleeve/faucet that is on this special tool (7). Put door with this special tool to front profile of OHG in such way so this tool is adhered to OHG evenly. Mark assembly holes by hitting in bolts (8). Drill holes $\text{\O}11,2$ in these places and then set blind rivet nuts M8. Assembly latch of lock (9) using M8x20 screws.



Complete assembly set for lock latch holder:

- 1 – blind rivet nut M8
- 2 – washer $\text{\O}8$
- 3 – M8 socket head cap screw
- 4 – self-locking nut M8
- 5 – washer $\text{\O}8$
- 6 – M8 socket head cap screw





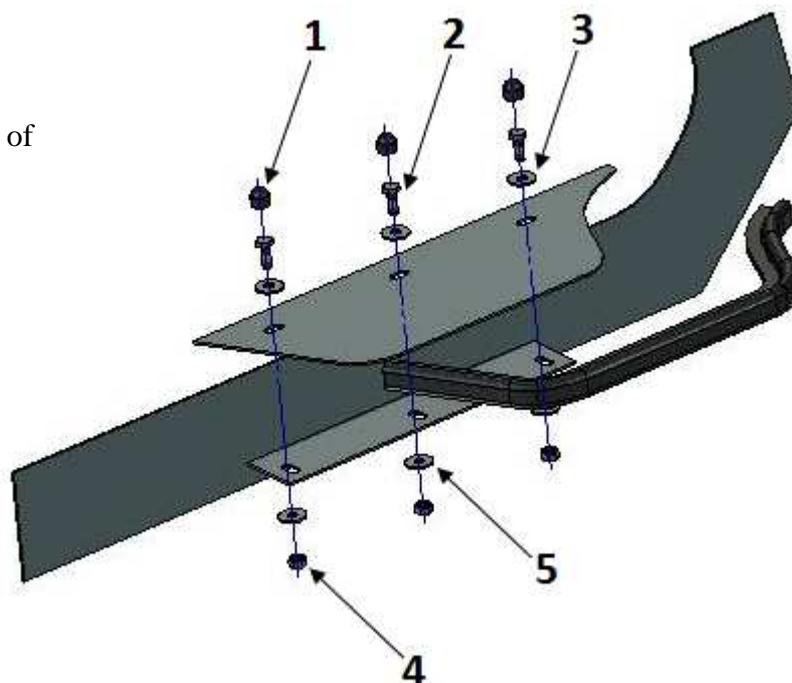
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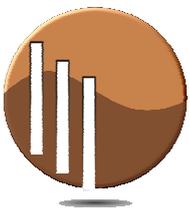


4. If there is any gap between floor of door and floor of forklift when door is closed, floor of door must be regulated by pushing it on bean-shaped holes to get rid of this gap.

Complete assembly set for floor of door:

- 1 – hex cap SW10
- 2 – M6x16 screw
- 3 – washer extend Ø6
- 4 – self-locking nut M6
- 5 – washer extend Ø6





VI. WIPERS

1. Drill 2 holes $\text{\O}11$ in front upper part of cockpit (1) under assembly holes of wiper that are in front glass/pane. Draw electric wire of motor through this drilled hole.

2. Connect wire to motor of wiper.

3. Assembly this motor to front glass/pane, then assembly arm and blade of wiper onto it.

4. Attach sprinkler hose grommet in front glass hole and draw hose through it.



5. Drill $\text{\O} 20$ hole in right top part of cockpit (2). Draw sprinkler hose under cockpit towards right front profile.

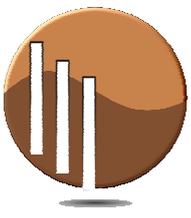
6. Attach sprinkler tank holder (3) to front right profile in such position not to hit door lock while door shutting. Assembly this holder using self-drilling screws.

7. Draw sprinkler hose and electric wire through hole drilled before.

8. Drill hole $\text{\O}13$ (4) in upper inner part of right rear profile. Draw electric wire of rear wiper through this cut hole towards original fuse panel.

9. Stick ertalon cushion (washer) (5) to the rear glass/pane of OHG.

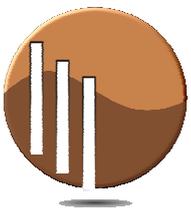




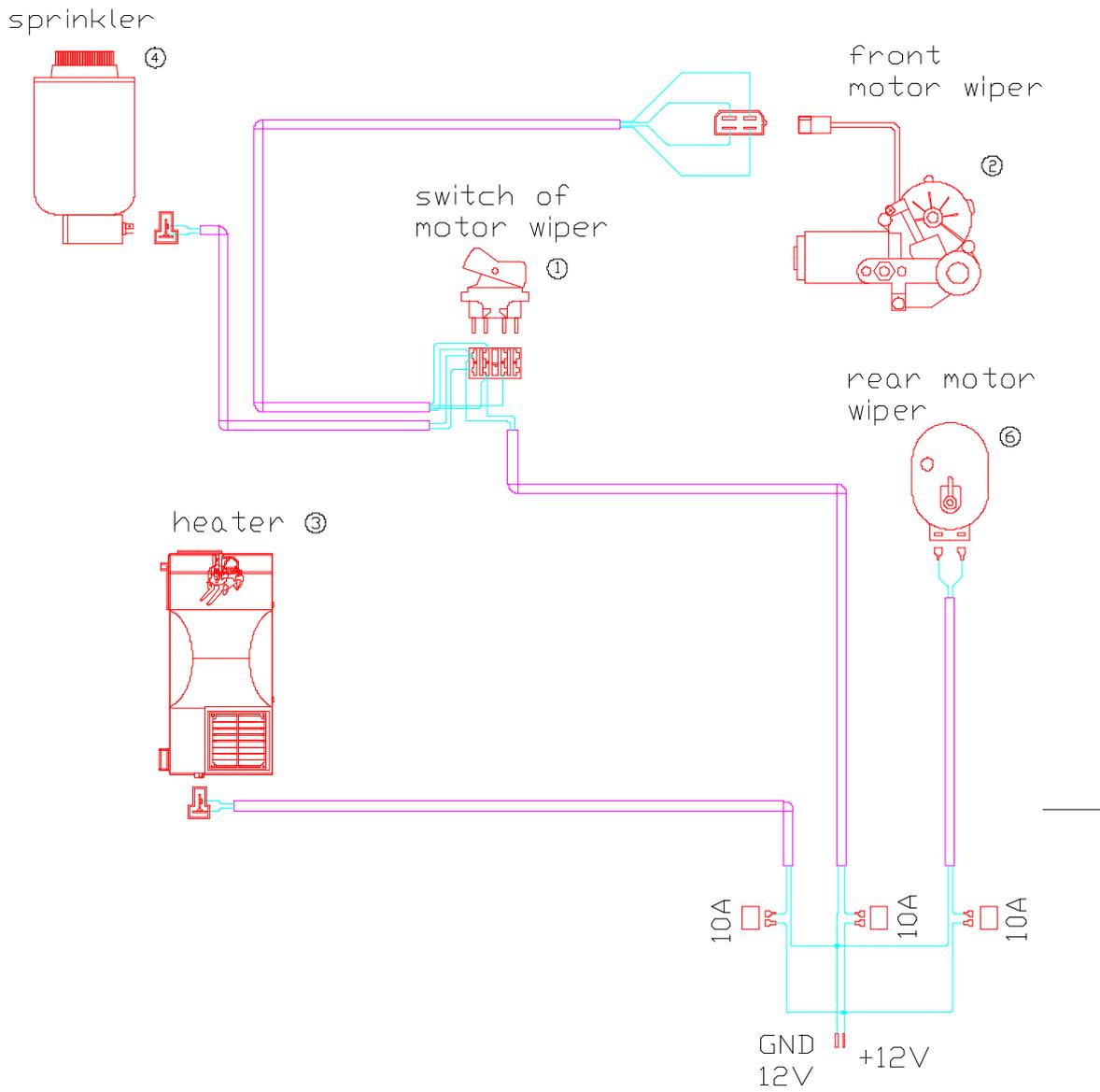
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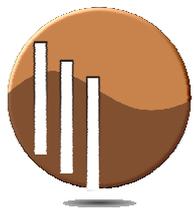
10. Then screw of motor of rear wiper and assembly arm and blade of rear wiper. Connect wire to motor of wiper.

Electric diagram:



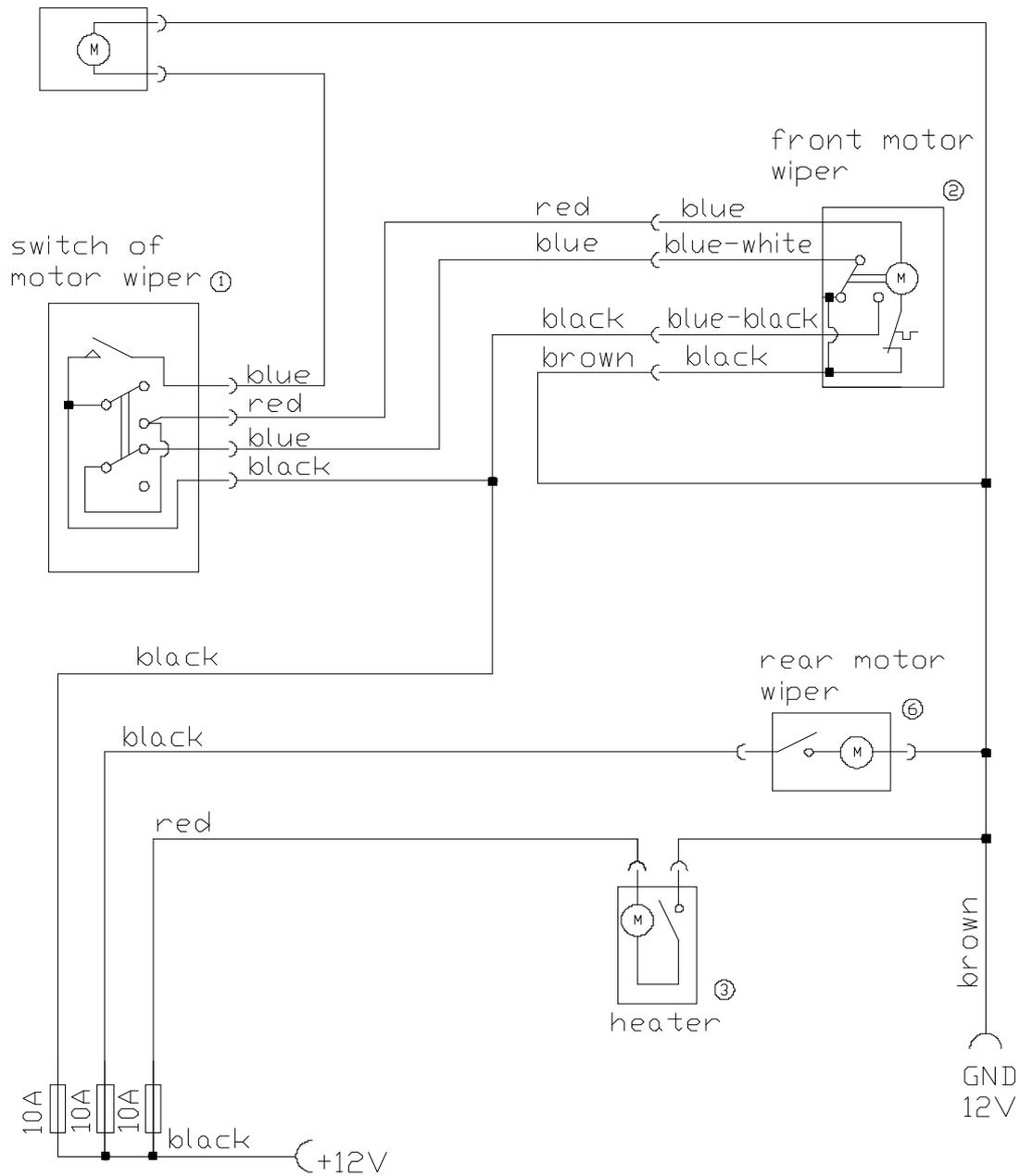
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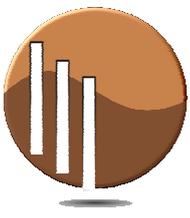




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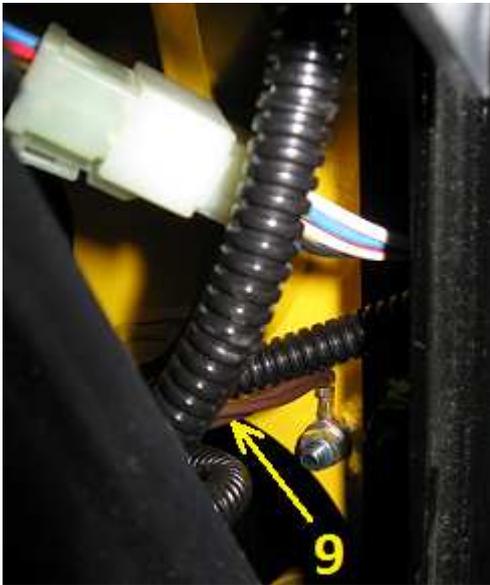
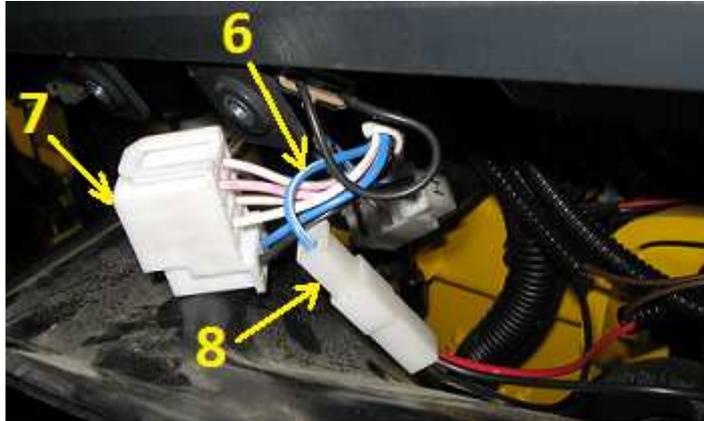
sprinkler ④





K.B.O

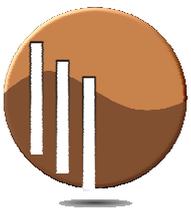
11. Take blue-white wire (6) out of the original socket (7) and attach to socket no (8)



12. Connect mass wire (9) to screw that is in right part of original front metal sheet of forklift.

13. Assembly front wiper switch on cockpit to the right side of steering column (10).

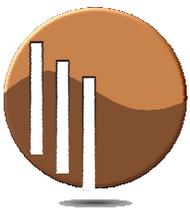




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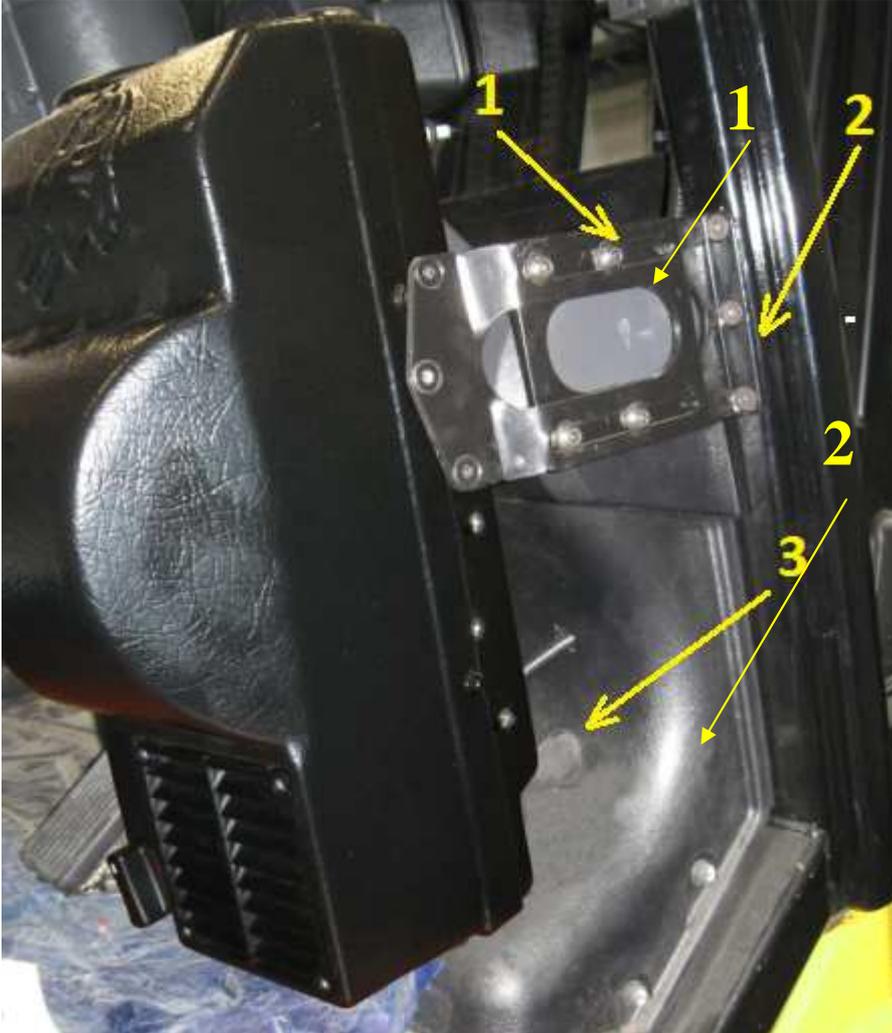
15. Draw decoupled wires of front lamps through holes in front upper bar (11) and plug them back in.



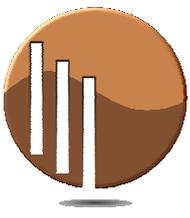
K.B.O

1. Put heater with assembled holder (1) to right side of cockpit in such way so lower glass of door does not touch holder of this heater. Then mark places for assembly holes (2) on OHG.

2. In marked places drill holes $\text{\O}11$ and then put blind rivet nuts M8 there. Assembly heater using M8x20 screws.



3. Drill 2 (two) holes $\text{\O}25$ at right side of cockpit (3) to draw hoses and 1 (one) hole $\text{\O}10$ to draw electric wire.



LPG heater

1. Cut hoses (3) and (4) out.

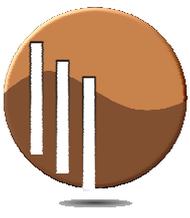


2. Assembly T-pipe with hose that supplies heating staff to heater together with cut hose (4).

3. Assembly T-pipe with hose that takes heating staff out of heater together with cut hose (5).

4. Draw tubes onto spouts of heater and clench using bands

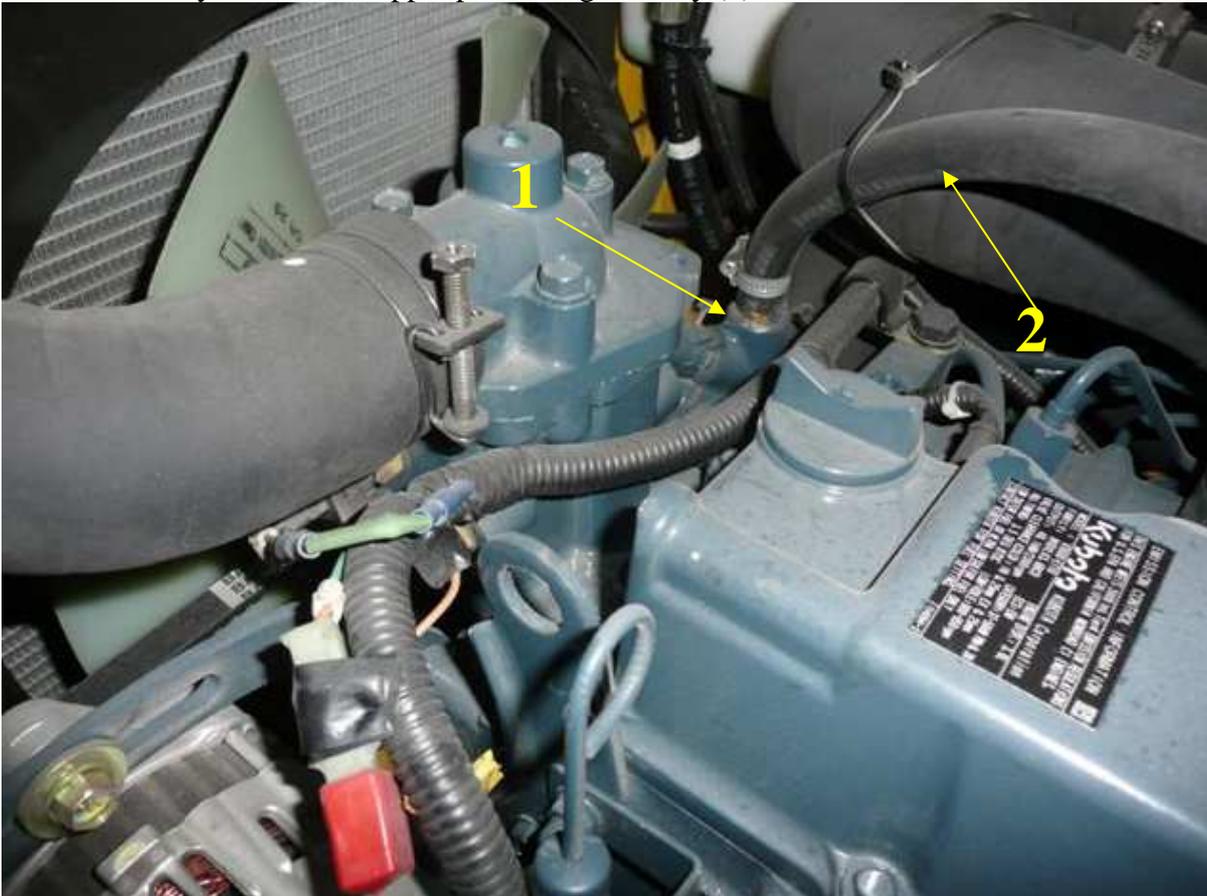
5. Connect electric wires.



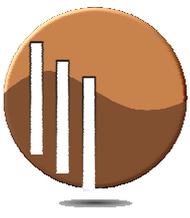
Diesel heater

1st model of engine

1. Screw tommy screw from upper part of engine body (1) out.



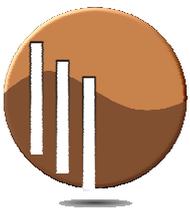
2. Match reduction and then screw it together with coppery cushion (washer) in. Then assembly reduction (2) together with hose, that takes heating staff out of heater.



3. Screw tommy screw from side part of engine body (3) out.

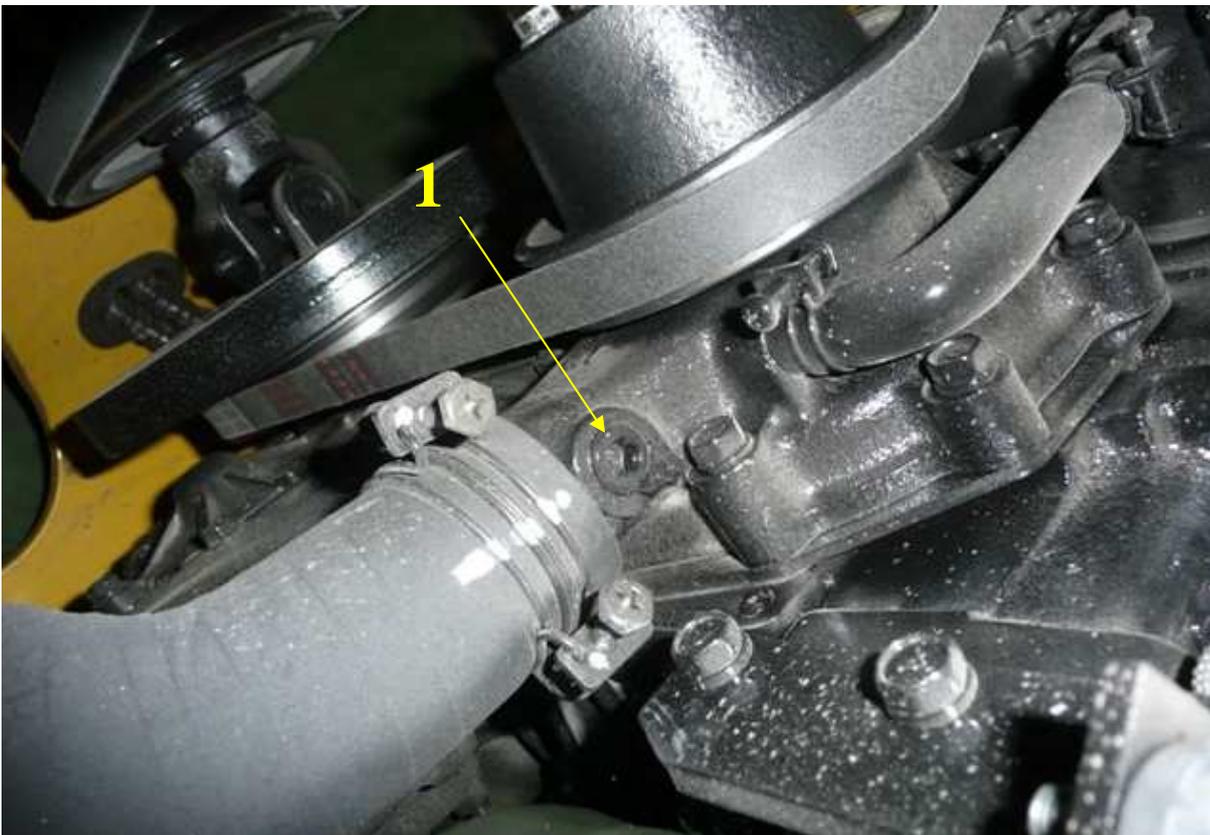


4. Match reduction and then screw it together with copper cushion (washer) in. Then assembly reduction (4) together with hose, that supplies heating staff to heater.

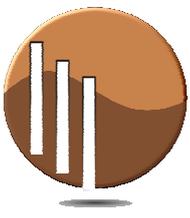


2nd model of engine

1. Screw tommy screw from upper part of engine body (1) out



2. Match reduction and then screw it together with coppery cushion (washer) in. Then assembly reduction together with hose, that takes heating staff out of heater.



3. Screw tommy screw from right front part of engine body (2) out.



4. Match reduction and then screw it together with coppery cushion (washer) in. Then assembly reduction together with hose, that supplies heating staff to heat