

# JUNJIN CONCRETE PUMP SERVICE INFORMATION



JSI - EN - 05 - 6B - 001		Date	Feb 1st, 2005
Total Pages	1	Present Page	1
Written by	HAN SEONG, SEOL	Approved by	IN JAE, HWANG
Subject	Replacement of M40 outrigger vertical cylinder		

## ■ Replacement of M40 outrigger vertical cylinder

- ① Operate the outrigger and it is located as like the figure, release the PTO and remove the air of tank.
- ② The forklift truck with pellet on which prop to the outrigger foot hold lower part it prevent cylinder down suddenly



prop the step by  
forklift truck

- ③ Open the check valve cover, hydraulic line removal and it releases the bolt where the cylinder and outrigger box is connected and separate outrigger.



hydraulic fitting  
hose removal



release 4EA bolt



- ④ When it releases a bolt, the cylinder is not supported, so it need a attention.

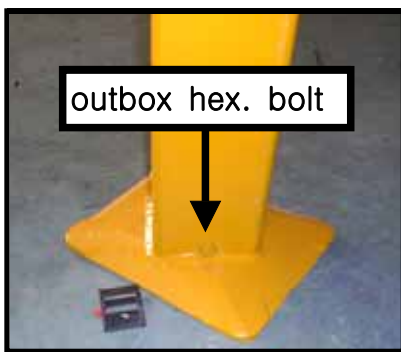
# JUNJIN CONCRETE PUMP SERVICE INFORMATION



JSI - EN - 05 - 6B - 002	Date	Feb 1st, 2005
Total Pages	1	Present Page
Written by	HAN SEONG, SEOL	Approved by
Subject	Replacement of M37 outrigger vertical cylinder	

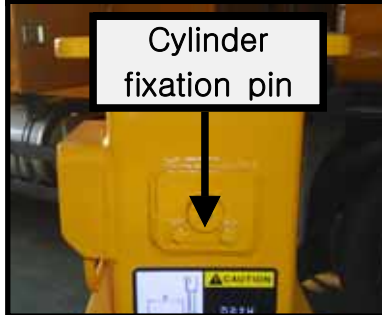
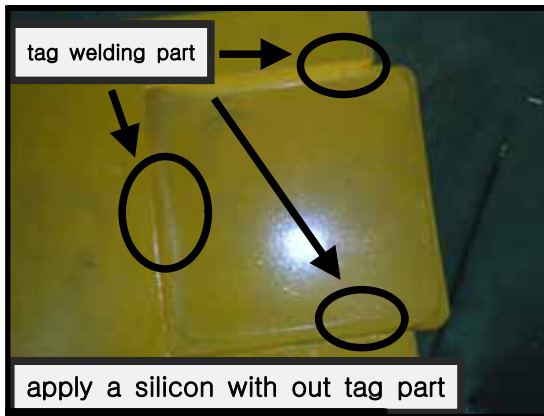
## ■ Replacement of M37 outrigger vertical cylinder

- ① Operate the outrigger and it is located with like the figure, release the PTO and remove the air of tank.



- The stop wrench receive a ground force at this time and it does not fix, to be important to fix in the condition which is coming up to the ground.
- The pressure prevent the fact that it is a check valve remove hour, it reduce hydraulic oil of cylinder troublesome and it respects.

- ② The tag of outrigger upper direction it replaces the cylinder cover which is welded the cover with the grinder and it opens.



- ③ Releases inner box fixed bolt and separate inner box and separate check valve from cylinder
- ④ After removing the pin which fixes the cylinder. It pulls out the cylinder at upper direction and it replace.

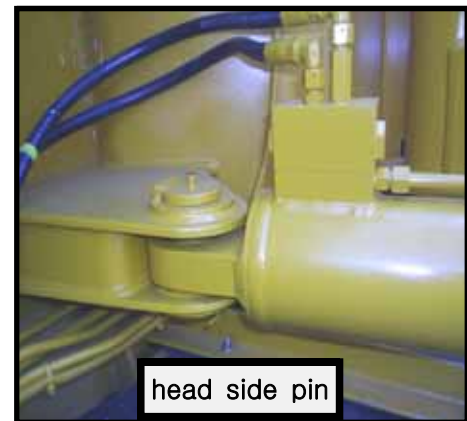
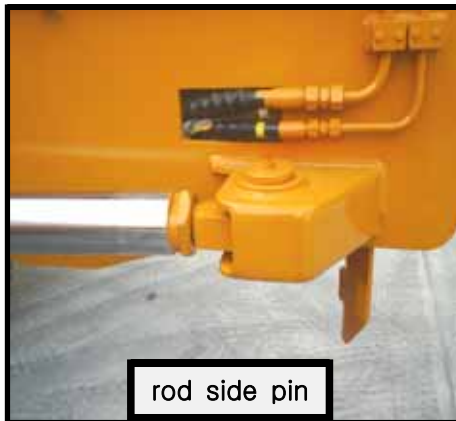
# JUNJIN CONCRETE PUMP SERVICE INFORMATION



JSI - EN - 05 - 6B - 003	Date	Feb 1st, 2005	
Total Pages	1	Present Page	1
Written by	HAN SEONG, SEOL	Approved by	IN JAE, HWANG
Subject	Replacement of outrigger swing cylinder		

## ■ Replacement of outrigger swing cylinder

- ① Operate the outrigger and it is located with the figure, release P.T.O and remove the air of tank.



- ② Remove the hose which is connected with the cylinder.
- ③ disassemble the rod side pin and head side pin and then it replace.  
This time the swing box moving possibility, it will have to fix.
- ④ To disassemble the cylinder from the outrigger and then replace the rod I, piston seal and rod.
- ⑤ The assembly advances in reverse order of disassemble, insert the space ring in zig bearing of up side and down side, head side, rod side it confirms and it assembles.

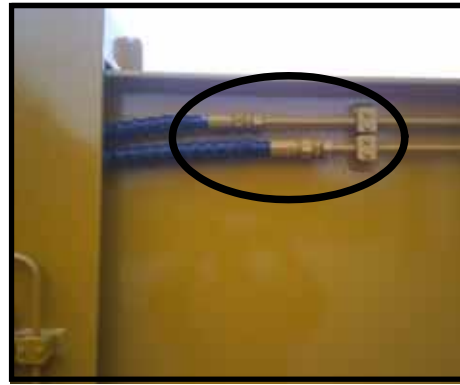
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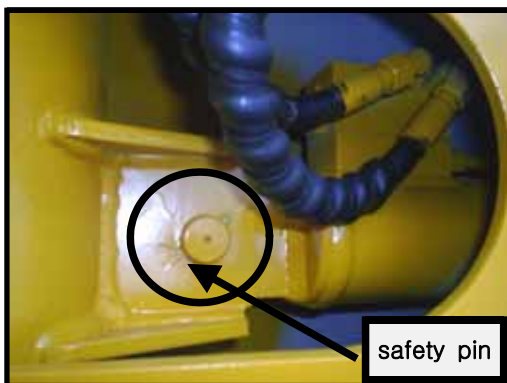
JSI - EN - 05 - 6B - 004	Date	Feb 1st, 2005
Total Pages	1	Present Page
Written by	HAN SEONG, SEOL	Approved by
Subject	Replacement of M43, 50, 55 front outrigger extension cylinder	

## ■ M43, 50, 55 front outrigger extension cylinder replacement

- ① Operate the outrigger as shown figure below and located.
- ② Release P.T.O and remove the air of tank and disassemble the outrigger and the hose and the cylinder which are connected in inner box.



- ③ Disassemble the inner box and replaces the cylinder of inner box internal.



- Disassemble the hose which is connected with the cylinder.
- Disassemble the safety pin first in the pin part which fix the head side cylinder.
- Cylinder head side pin disassembly

- ④ After head side pin disassembly the cylinder falling possibility it is must pay attention.