

## MAINTENANCE CARD FOR THE AFRIDEV HANDPUMP



1. Loosen pumphead cover bolt and take off cover.



2. Loosen both hanger nuts.  
3. Loosen both fulcrum nuts.



4. Insert spanner handle into rod hanger eye and rest it on the pumphead slots.  
5. Raise and withdraw handle.



6. Remove fulcrum bearings and pin.

**SKAT**  
**HTN**

- Check tightness of fulcrum pin nuts weekly.

- Scheduled maintenance should be carried out at least once a year to ensure a long life for the handpump.

- All rods and pins should be washed before replacing.

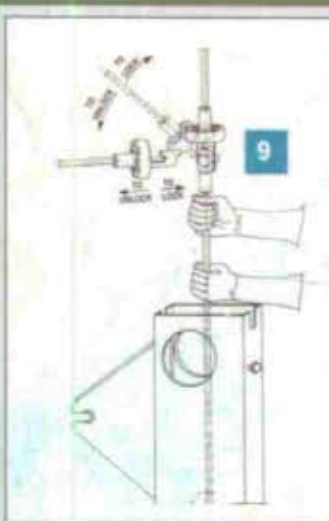
- Keep all parts clean by storing in pumphead cover while repairing pump.



7. Remove hanger bearings and pin.



8. Lift rod hanger along with top rod. Remove spanner handle.



9. Pull up rods and plunger. Turn through 90° to unlock from the eye.



10. Join the rods to the fishing tool and lower down the well and pick up the foot valve.



11. Examine parts for wear and damages



14. FOOT VALVE

14. Replace old bobbin and 'O' ring with new.

15. Insert the foot valve into the rising main by hand and let it drop down.



PLUNGER

13. Replace old seal with new. Ensure groove upward.

12. Replace old bobbin with new.

16. Put back plunger on pumprod and lower all rods.

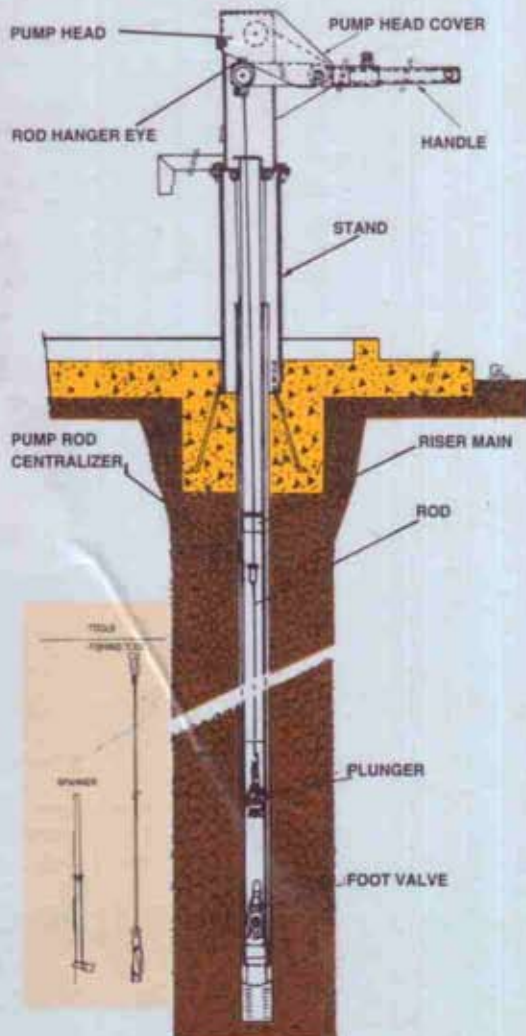
17. Push the rods gently and make sure the foot valve is seated in position.



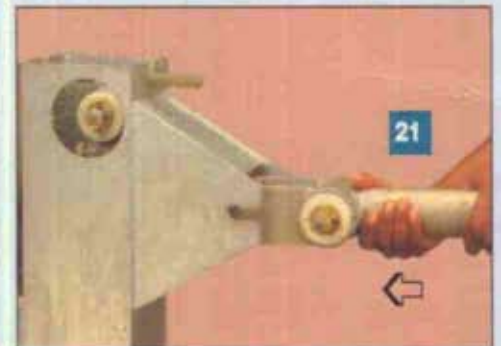
18. Put spanner through hanger eye and rest on pumphead slots.

19. Put back hanger pin and bearings (See 7)

20. Put back fulcrum pin and bearing (See 6).



21. Put back handle horizontally and check that the lock pin and bearings are located in the slots.



22. Let the handle slowly go down and make sure that the hanger bearings and pin are located in the slots.

23. Remove spanner and tighten all nuts.

24. Put back cover and tighten bolt.

25. Operate the pump and hand over.

26. Make entries in the maintenance card.

