

RECONDITION THE LINCOLN SAE 300 WELDERS ON YOUR TACK RIG

Challenger Services reconditions SAE 300 welders!

Don't give up on your welder tractor just because the welders don't work very well or not at all. Challenger Services can totally recondition them to new spec, and new performance.

The Lincoln SAE 300 is no longer available from the factory. The last ones made were over \$7,000 each, so even if they were still available, re-conditioning would still make good economic sense.

Converting your welder tractor to rectifier or inverter welders is also a viable option, for automatic welding, but the price installed on your tractor will exceed \$12,000 per welder.

For stick welding, the old reliable "bullet welders" still have broad acceptance. Let Challenger Services give these welders a second life, and run another twenty years!

Following is a summary of the standard work Challenger Services performs on the SAE-300B generator welders:

- Disassemble the welder and thoroughly clean all components. Sandblast the housing.
- Check for open circuits in the stator and windings.
- Dip the internal components in resin and bake it on.
- Turn and undercut the commutator.
- Balance the rotator, armature and fan.
- Prime all interior parts.
- Reassemble, installing new bearings, brushes, and exciter brushes.
- Prime and paint the exterior.
- Turn and static test the welder.
- Dynamic test the welder at operating speed and run welding tests at various amp settings.

In some cases, if the welder is in particularly poor condition, the following additional work may be necessary:

- Machine the shaft bores and install bushings to bring them back to the original dimension.
- Rewind the stator field coils.

Challenger Services can also recondition the control boxes:

- Replace the dial faces, if required.
- Replace the sheet metal box, if it's badly rusted or damaged.
- Replace or repair the internal components as necessary.
- Test for proper operation.

Challenger Services can recondition your entire welder tractor, but if you want to save freight and just concentrate on the most difficult items to rebuild, send your SAE 300s to us. We'll get them fixed, "good as new"!

Call Challenger for Drive Line Parts—shaft, u-joints, belts, sheaves and more.



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CONTACT ANDY OR JIM SOLOMON AT CHALLENGER SERVICES FOR MORE INFORMATION ON THE ABOVE PRODUCT OR FOR ANY OF YOUR PIPELINE CONSTRUCTION EQUIPMENT.