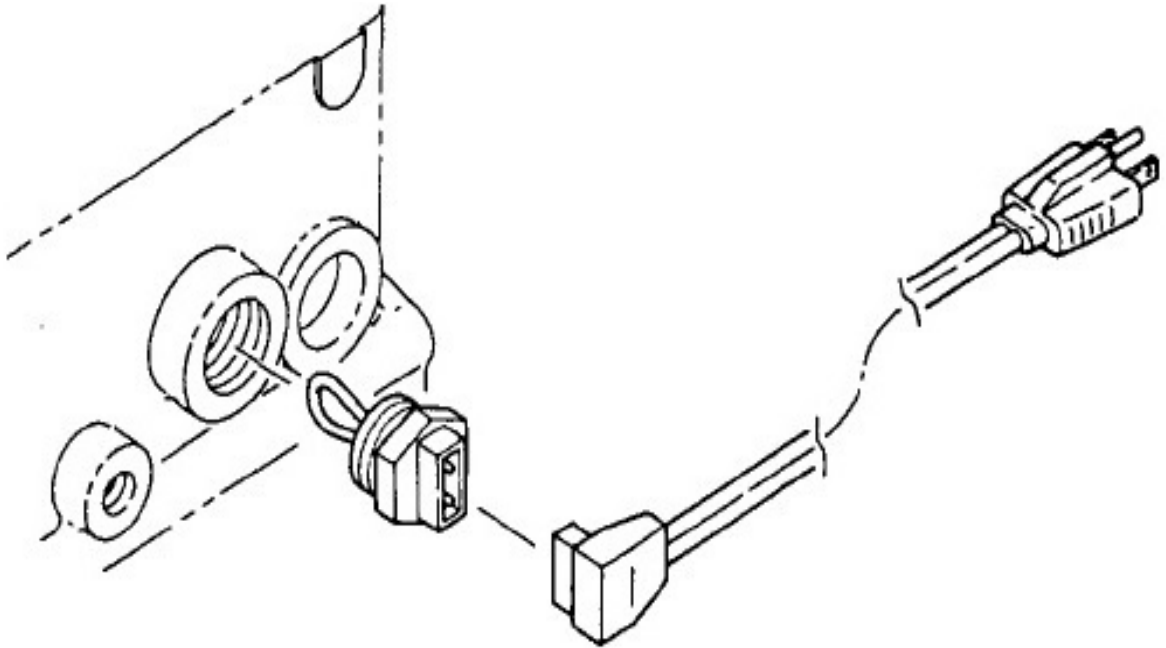


# YANMAR

## ENGINE BLOCK HEATER APPLICATION



**129652-95020 HEATER ASSY, BLOCK (latest p/n as of 12/2021)**



# INSTALLATION PROCEDURE

The install is straight forward, basically remove a threaded plug from behind the starter and replace with the proper block heater kit for John Deere. The attached images will help with the install. This works with many Yanmar, John Deere and Yanmar made Cub Cadets with the block plug.

- Disconnect the battery positive cable.
- Remove radiator cap and remove as much coolant as you can. On some models, a drain plug works well. Drain into a clean bucket for re-fill later.
- Remove the starter by unbolting from the block and leaving all the electrical attached. Bungie or tie the starter out of the way for access.
- Ideally, a breaker bar is preferred for removal of the threaded plug. It's been in there for some time, so take it slow and easy with a bit of force.
- Once the plug is out, clean the threads in the block. The threads are NPT female 1-inch.
- Now, follow the install instructions per the documentation of the new block heater.
- This should take 1 hour to complete with a breaker bar and pipe. A bit longer otherwise with other tools. Just don't damage the plug nor the threads.
- Best to use a thread sealant on the heater plug threads. Allow time to cure (24hrs). Rectorseal #5, Loctite 567, Whitlam TU-type 555 and others meeting ASME B1.20.1 sealant for high temps, pressure, and reliability. Pipe tape has long term sealant issues with engine blocks.

*ASME B1.20.1 does not specify a tightening torque for NPT fittings. This is because the torque applied to correctly tighten an NPT fitting will vary with thread quality, material and which type of sealant is applied. Generally, correct tightening is achieved by first tightening finger tight (until the thread fully seats), followed by 1.0 full turns with a wrench.*

- Allow time to cure (24hrs).  
*All brands of anaerobic sealant are advertised as being capable of sealing 10000 PSIG after curing as meeting ASME B1.20.1. This will comply with NSF Standards 14 & 61.*
- Re-install the starter.
- Re-fill the radiator.
- Re-connect the battery.

## INSTALLATION PROCEDURE (continued)

- Install the block heater wire. Using a bit of electrical grease to seal the connection works to keep out moisture, avoid corrosion and easy to replace the cord later if needed.
- Some of the block heater kits come with teathered cap to the plug. When the block heater is not used, ensure the cap is in place to protect the plug contacts.
- For the block heaters without a teathered cap plug, use the cord and locate a proper place on the tractor to mount it from dangling or getting caught on something.
- This procedure works for John Deere, 650, 750, 850, 900HC, 950, 1050, 670, 779, 790 and many of the Yanmar model engines with the block heater port fitting.
- Other Yanmar made models will use this same block heater kit in a radiator heater hose arrangement. Should your engine block not have the block plug, look for space to add this option to the radiator lower hose.

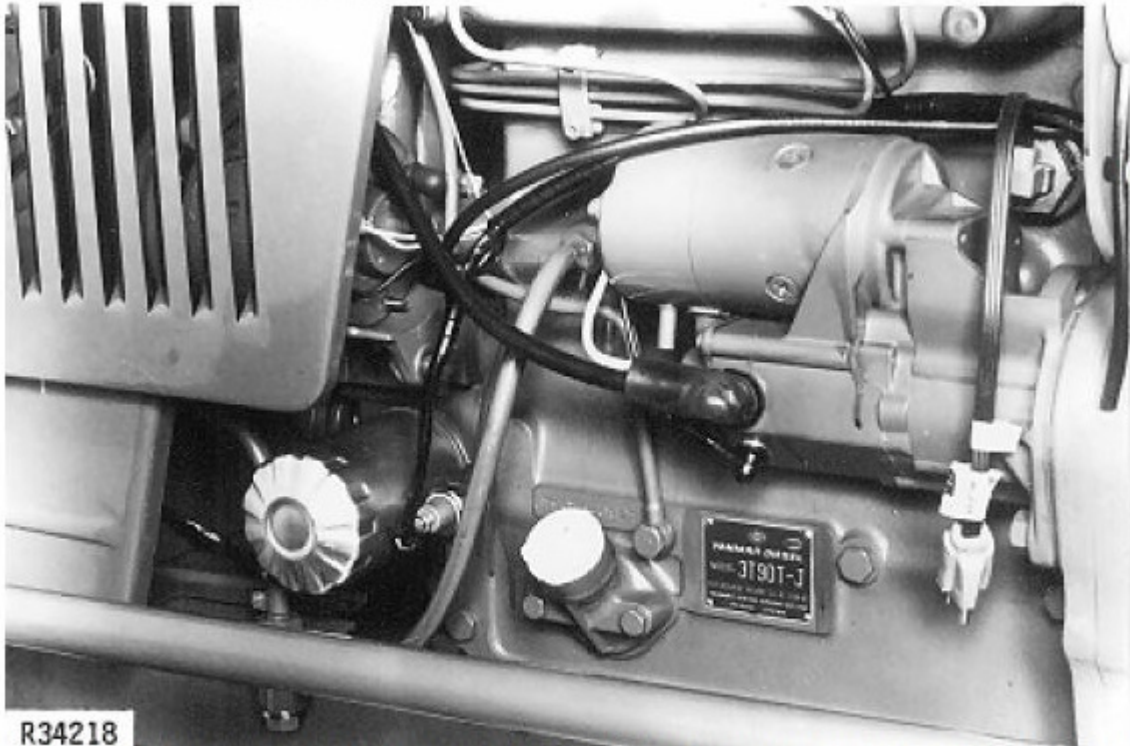
**NOTE:** there are other aftermarket block heaters, ensure for compatiability.





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THE ENGINE SERIAL NUMBER IS STAMPED INTO THE LEFT-HAND SIDE OF CYLINDER BLOCK.

