



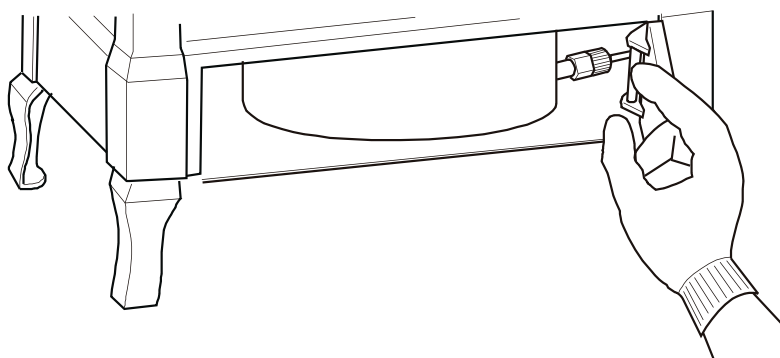
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## Oil Stove Decoking and Assembly Removal

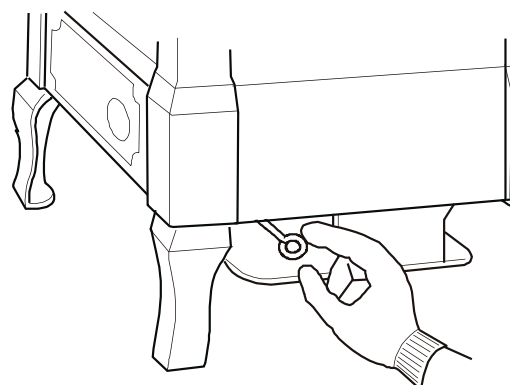
### Decoke Procedure for Oil Stoves

To ensure the burner is operating efficiently and capable of its maximum output the fuel inlet to the burner will need to be kept free of carbon deposits by operating the decoking lever at least monthly. Use the glove and hook tool supplied with the stove and take great care if this procedure is to be undertaken with the stove running.

#### Accessing the Decoking Assembly



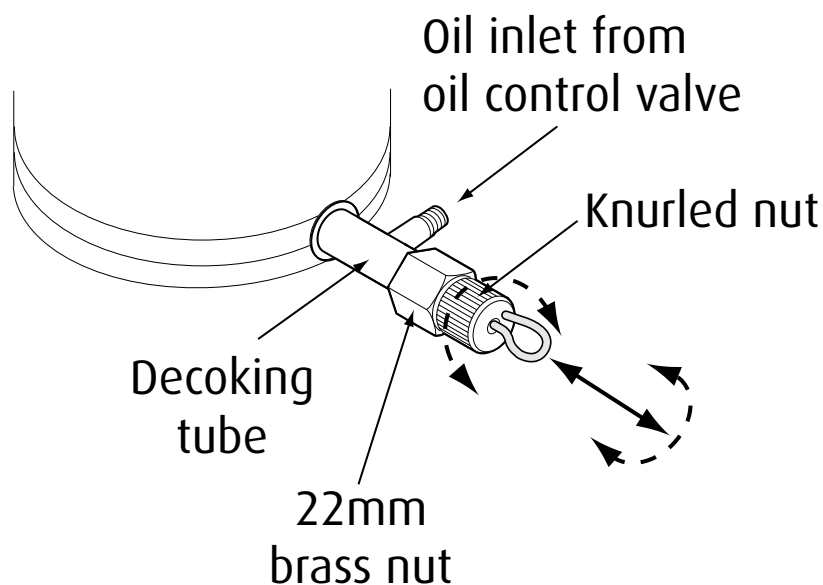
Decoking hook tool



On most Harmony and Stanford stoves the decoking assembly can be accessed by opening the lower door, the example above shows the Harmony 5 and Stanford 50 where it can be accessed from the side. The Harmony 3 and Harmony Coachman stoves; the access is through the side door of the stove.

#### Operating the Decoking Assembly

This is accomplished by slackening the knurled brass nut half-a-turn and withdrawing the rod 35mm (1½ inches). Then while rotating the rod, push it back in fully, repeat until there is no grinding felt when it is rotated, then retighten the brass knurled nut.



#### Decoking Assembly



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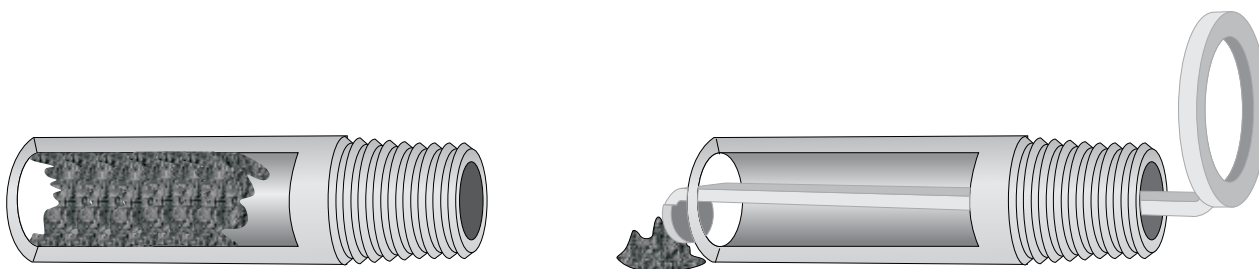
Over time hard carbon may have built up within the decoking tube that the decoking blade cannot clear, thus restricting the oil flow to the burner. This requires the complete brass decoking assembly and oil inlet pipe being removed from the decoking tube to remove these carbon deposits.

### To remove the brass decoking assembly

Hold the decoking tube with an adjustable spanner or mole grips at the "Tee" where the oil inlet pipe joins the decoking tube. This is to prevent it turning and either unscrewing the decoking tube from the body of the burner pot or breaking the braze if it is brazed onto the burner pot.



Using a 22mm spanner, whilst holding the decoking tube firmly with the adjustable spanner, unscrew the whole assembly and remove from the end of the decoking tube. This may take some force initially to start undoing. The 22mm nut can only be moved a couple of flats at a time until finger tight then undone by hand. If there is a large build up of carbon within the tube it may require the use of the spanner to completely remove the assembly. Slide the decoking assembly completely from the tube.



Using a screw driver, drill bit or a suitable tool, clear out any carbon which has built up within the decoking tube and vacuum out from within the burner.

### To remove the oil feed pipe

Unscrew the oil feed pipe from the decoking tube with a 10mm spanner and pull the pipe out of the de-coking tube. If it cannot be pulled out of the joint the burner will need to be rotated slightly.

Open the main door of the stove and remove the cast iron plate sitting above the burner. This will expose the bolts or screws holding the burner in position. If there are bolts loosen them off enough to be able to rotate the burner a few degrees so that the oil feed pipe comes out of the joint. If there are screws remove all but one of the screws and rotate the burner in the same manner.

Once the pipe has been removed clean inside the "Tee" with a small screw driver or drill bit. Put a small container under the end of the oil feed pipe and turn on the oil control knob for a short time to flush out any carbon that may be in the oil feed pipe.

Replace both the oil feed pipe and the decoking assembly.