

WINTERISING THE WESTERNS

- 1) Drain down the cooling systems as follows:-
 - a) open transmission heat exchanger water drain valve - non walkway side under “bridge”
 - b) open engine water drain valve - non walkway side on floor below transmission heat exchanger
 - c) open cooler group water drain valve - on bridge
 - d) open intercooler system water drain valve - walkway side below water pumps
 - e) open engine water drain valve - walkway side below water pumps
 - f) open cooler group non return valve - on bridge
 - g) open preheater water drain valve - on bottom of water jacket (Jackson mod!). Collect water - DO NOT allow water to enter Dynostarter for obvious reasons.

- 2) Once cooling systems have drained down, remove the following items:-
 - a) lower drain plug from all intercoolers, collect drained off water
 - b) drain plug under “elbow” from engine oil heat exchanger to rear of engine, collect drained off water. D1062 ‘B’ engine only, use KINGDICK spanner
 - c) intercooler water pump drain plug - collect approx. 5 litres of water
 - d) drain plug from water pipe branch on rear of engine
 - e) external water filling point caps, both sides

Store all items in a plastic bag in the respective cab

- 3) Fill the Transmission Heat Exchangers with a 50/50 mixture of Antifreeze & Water
 - a) close transmission heat exchanger water drain valve
 - b) unscrew small vent pipe at rear (boiler room end) of transmission heat exchanger. Alternatively, remove $\frac{3}{4}$ ” BSP brass plug from top of water end cap at transmission end of heat exchanger. Use box spanner for this.
 - c) fill transmission heat exchanger with antifreeze mix. Add through drain port on water pipe branch on rear of engine. Add antifreeze until liquid, not froth or bubbles, is seen at the vent pipe.
- 4) Return water drain valves to their closed position then slightly open the valves to allow any water to drain off and maintain the rubber diaphragm in it’s natural position.
- 5) Unscrew or remove electrical connections from “Hawker Siddeley” boxes under driver’s side of cab desk. Store any screws, nuts etc in a marked plastic bag on cab desk.
- 6) Disconnect the locomotive batteries
- 7) Preparing the locomotives for the running season is the reverse of this procedure
