



DRIVEN BY POSSIBILITY™

DIAGNOSIS MADE EASY

PART OF COOLING SYSTEM TROUBLE SHOOTING

PART #: 496-2122:





GATES' INTUITIVE QUESTION TREE DIAGNOSTIC PROCESS

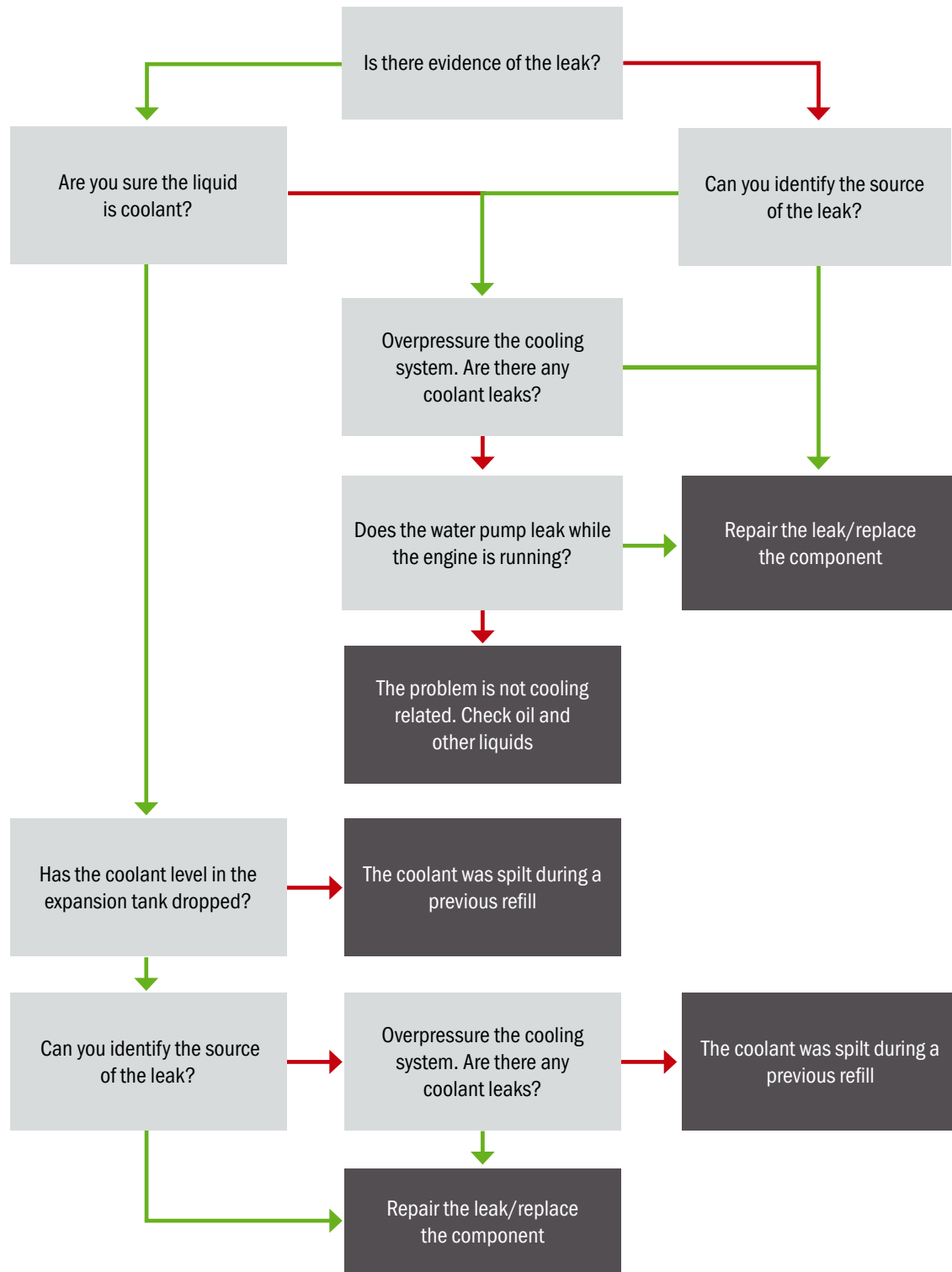
The purpose of this booklet is to provide you with more detailed guidance on some specific car problems that involve the engine's cooling system. The easy-to-follow diagnostic tree structures in this booklet will help you to quickly identify the correct cause of the problem and provide you with a logical flow to the recommended repair procedures.

- Liquid or traces of liquid under the bonnet..... 4
- Liquid under the vehicle..... 4
- Wet interior carpet(s)/sweet smell inside cabin/mist on the inside of the windows..... 5
- White smoke from the exhaust pipe(s)..... 5
- Temperature below normal, fuel consumption increased and/or excessive revvings..... 6
- Coolant is above maximum level in expansion tank..... 7
- Coolant is below minimum level in expansion tank..... 8
- Noise from the water pump..... 8
- Noise caused by air bubbles in the expansion tank..... 8
- No/insufficient interior heating..... 8
- Steam from under the bonnet..... 8
- Engine is overheating..... 8

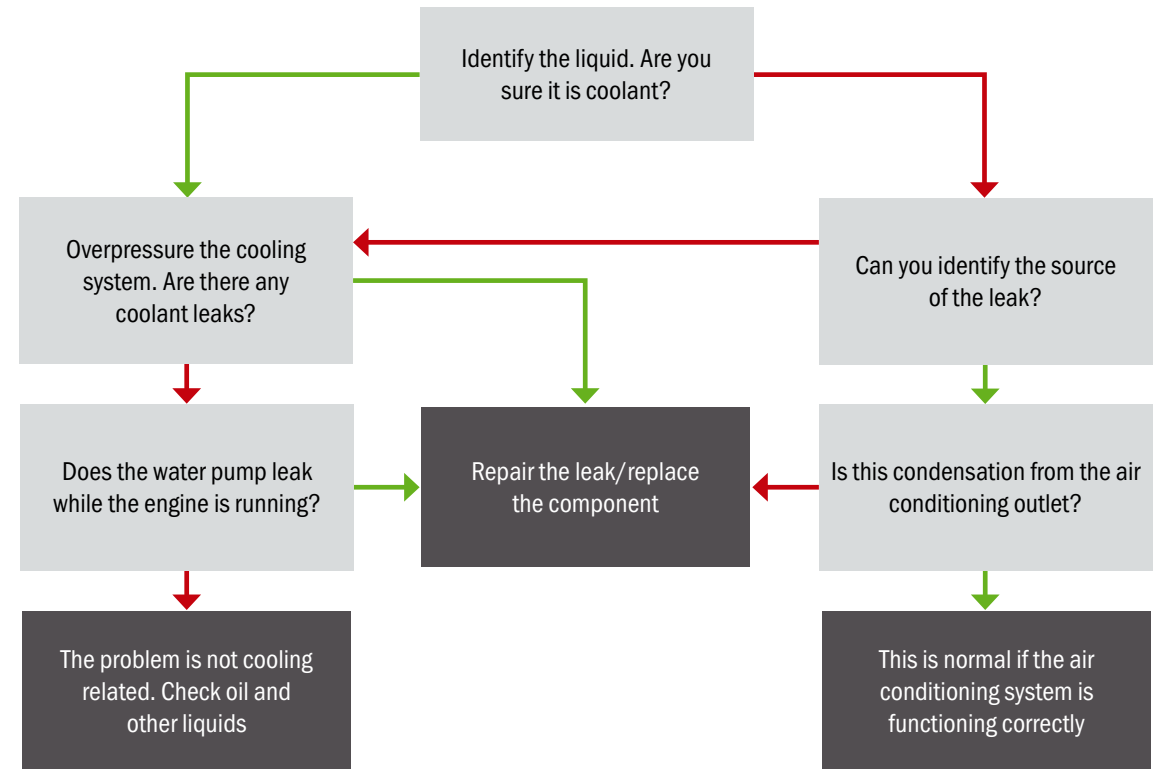
PLEASE NOTE:

THROUGHOUT THIS BOOKLET, WE USE ○ SYMBOLS TO MAKE YOU AWARE THAT MORE GUIDELINES RELATING TO THE TOPIC ARE TO BE FOUND IN THE TROUBLESHOOTING GUIDE. SO WHEREVER YOU COME ACROSS THE ○ SYMBOL, BE SURE TO READ THE CORRESPONDING PAGE IN THE GUIDE.

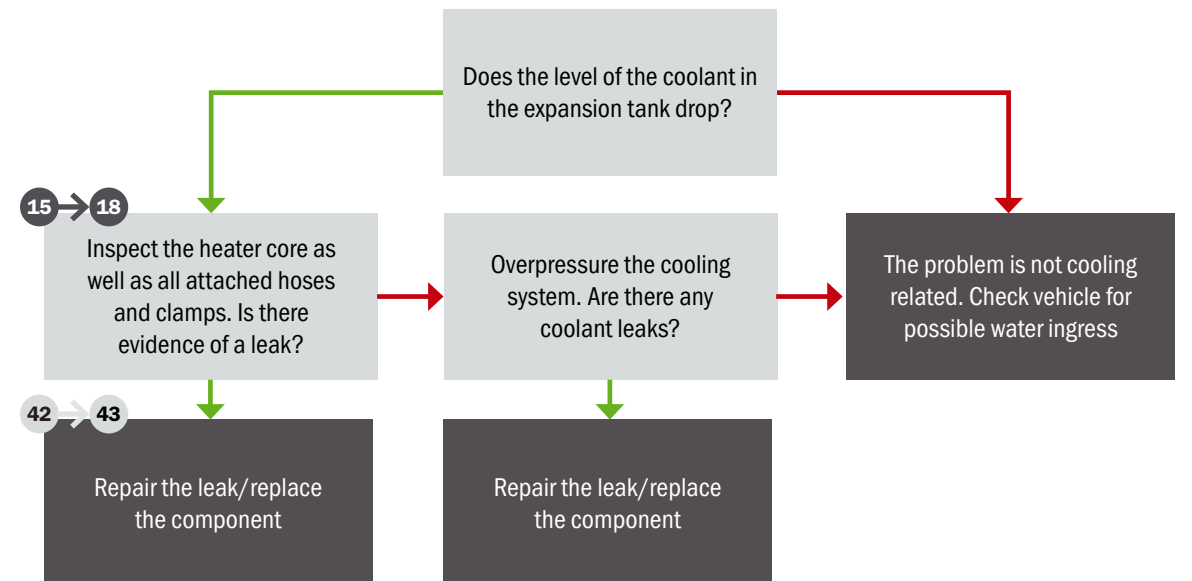
LIQUID OR TRACES OF LIQUID UNDER THE BONNET



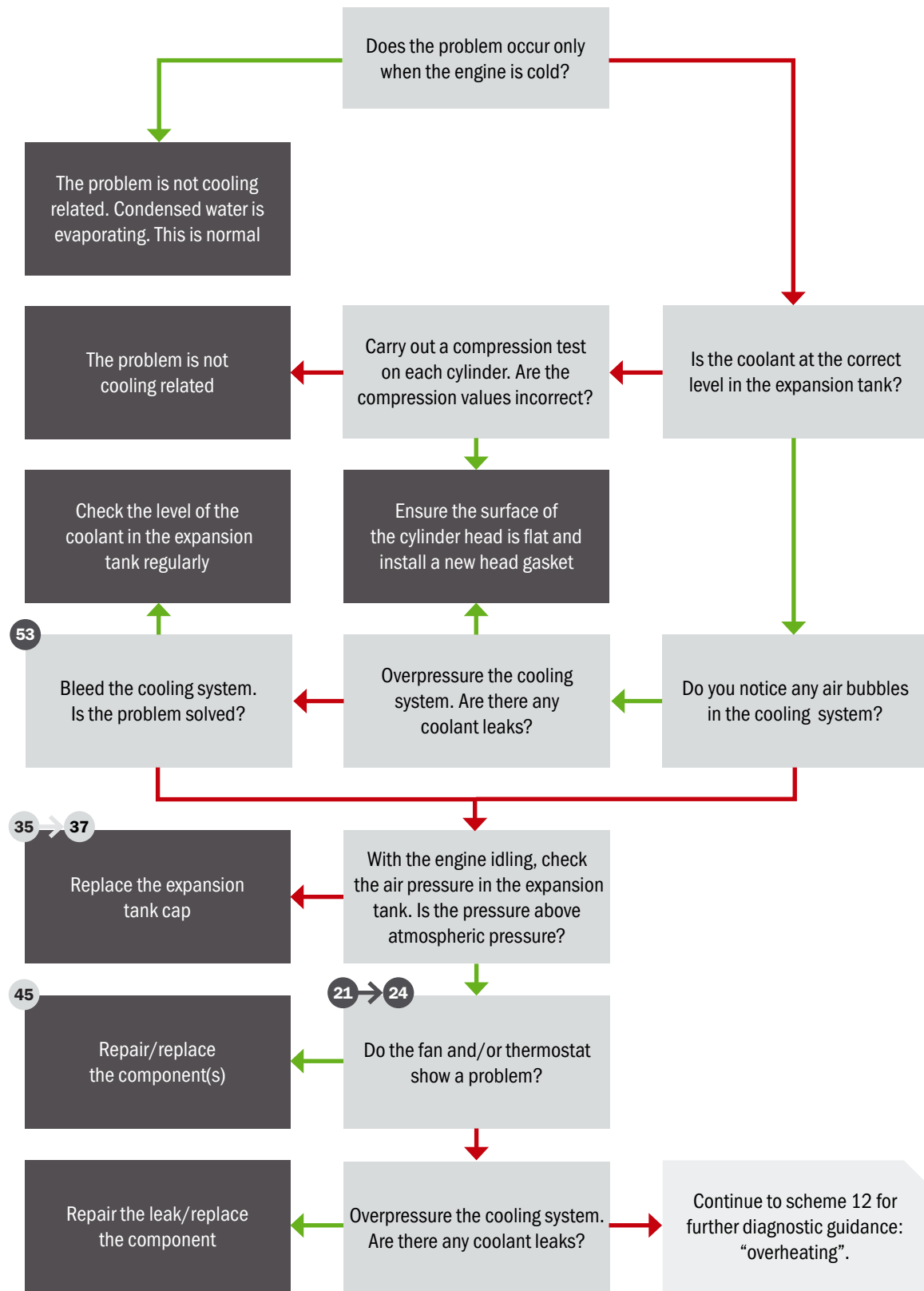
LIQUID UNDER THE VEHICLE



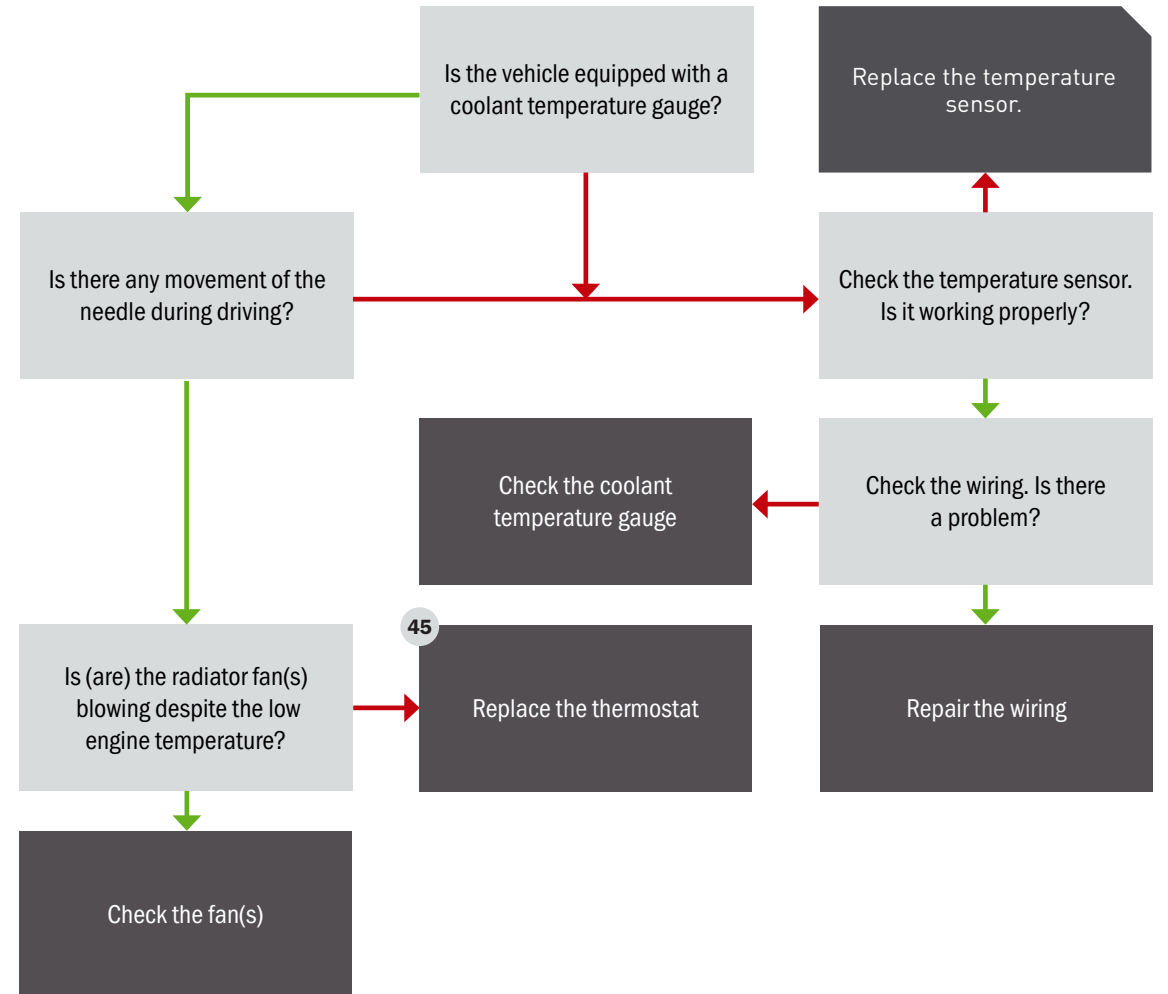
WET INTERIOR CARPET(S)/SWEET SMELL INSIDE CABIN/MIST ON THE INSIDE OF THE WINDOWS



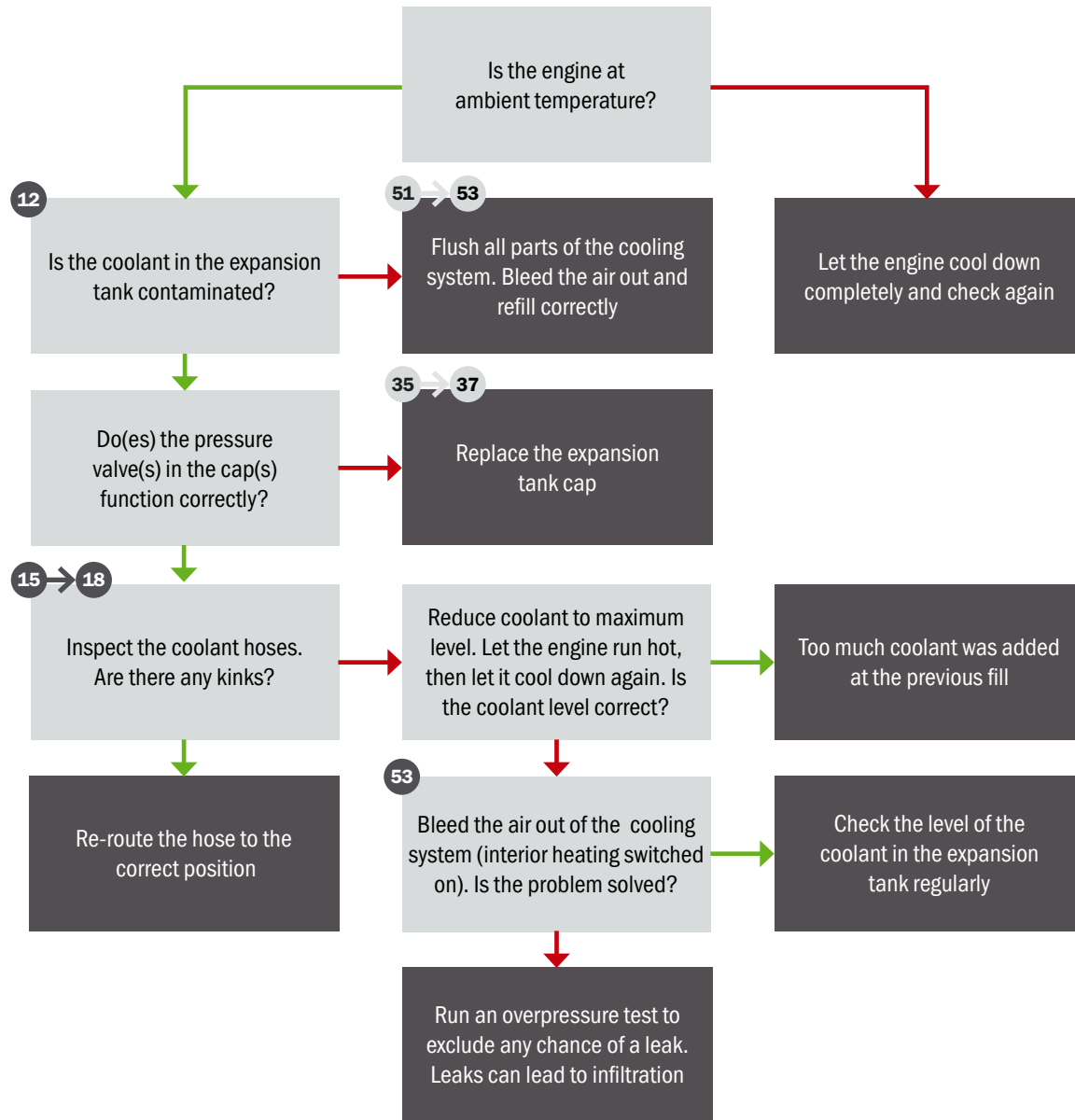
WHITE SMOKE FROM THE EXHAUST PIPE(S)



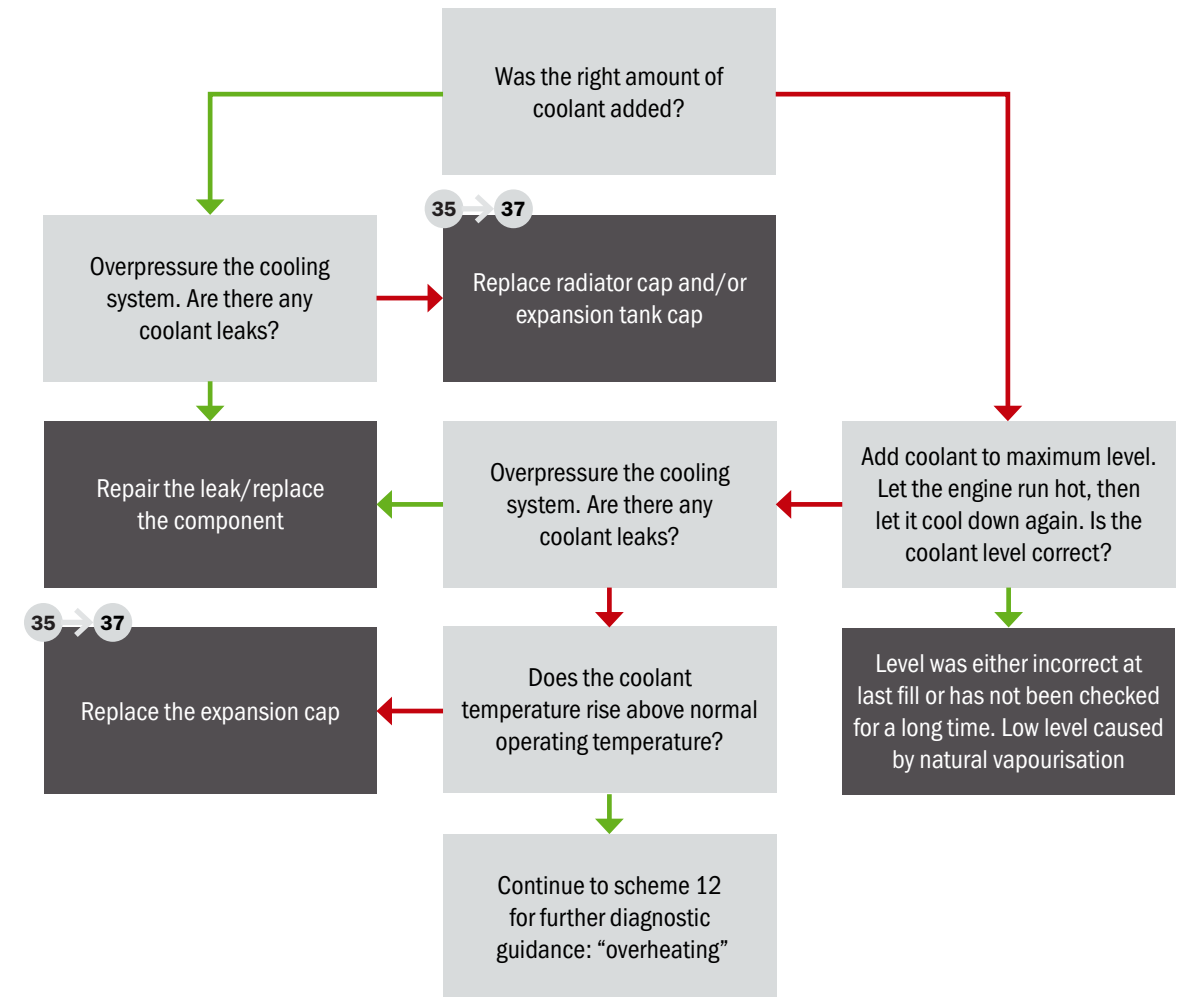
TEMPERATURE BELOW NORMAL, FUEL CONSUMPTION INCREASED AND/OR EXCESSIVE REVVING



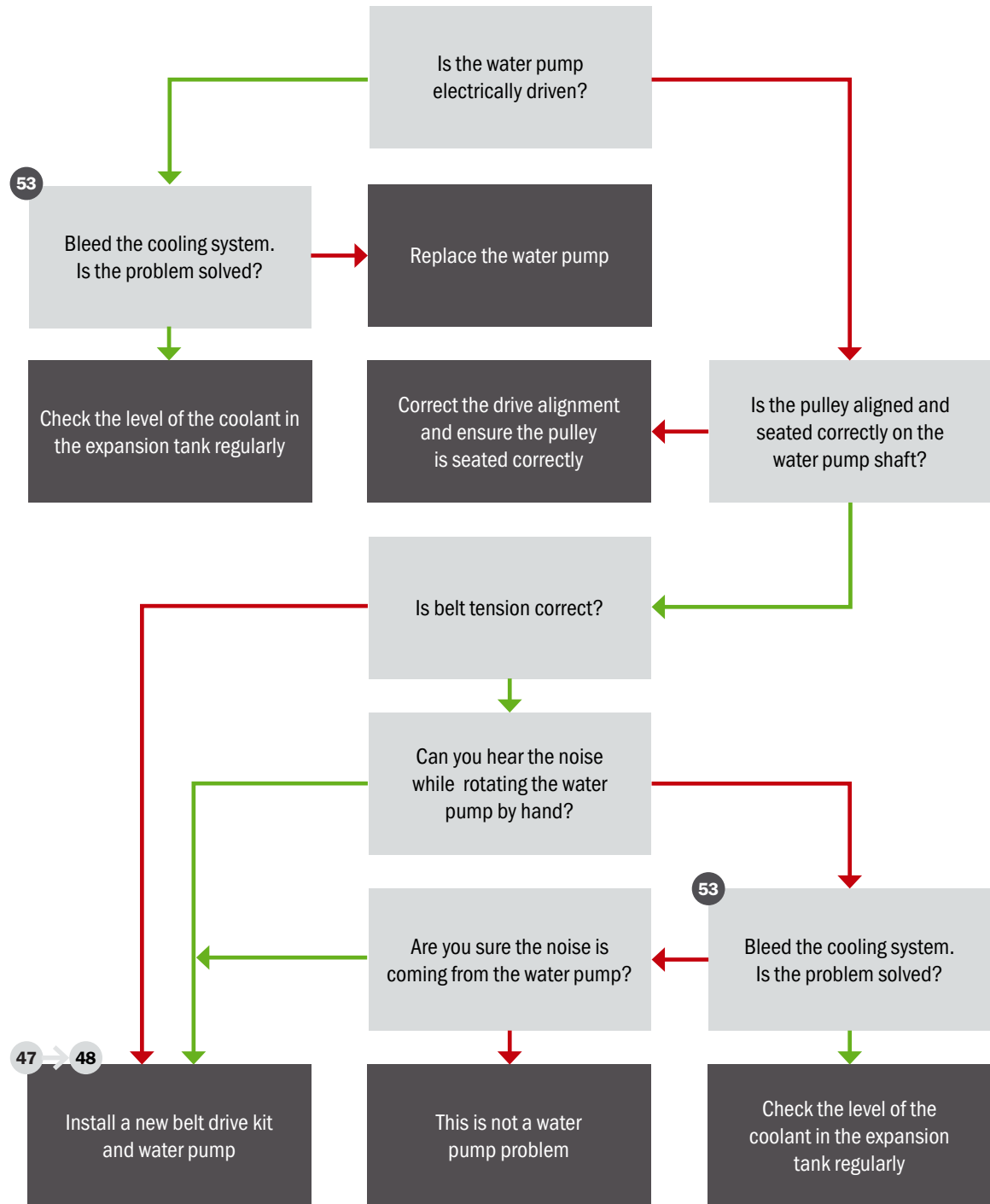
COOLANT IS ABOVE MAXIMUM LEVEL IN EXPANSION TANK



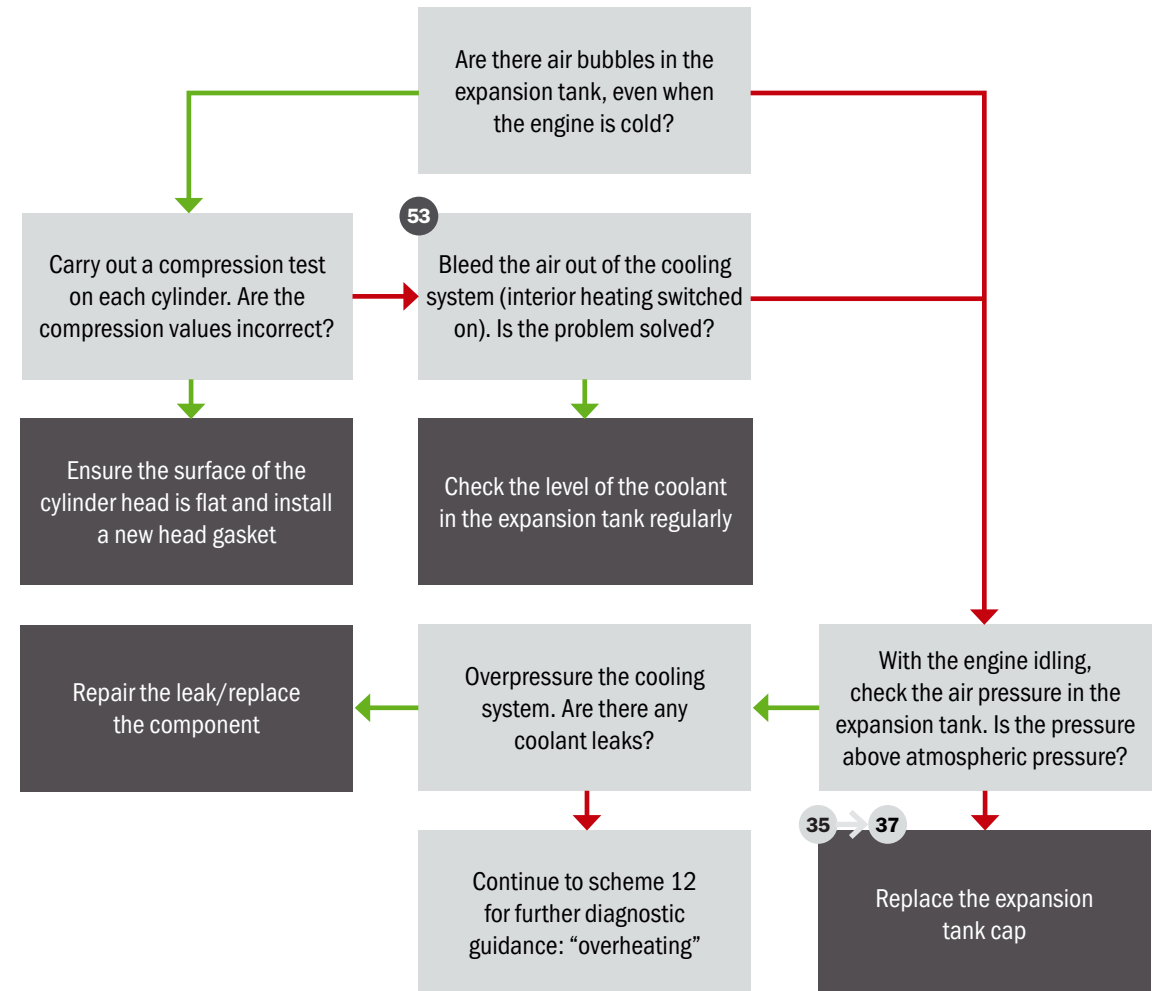
COOLANT IS BELOW MINIMUM LEVEL IN EXPANSION TANK



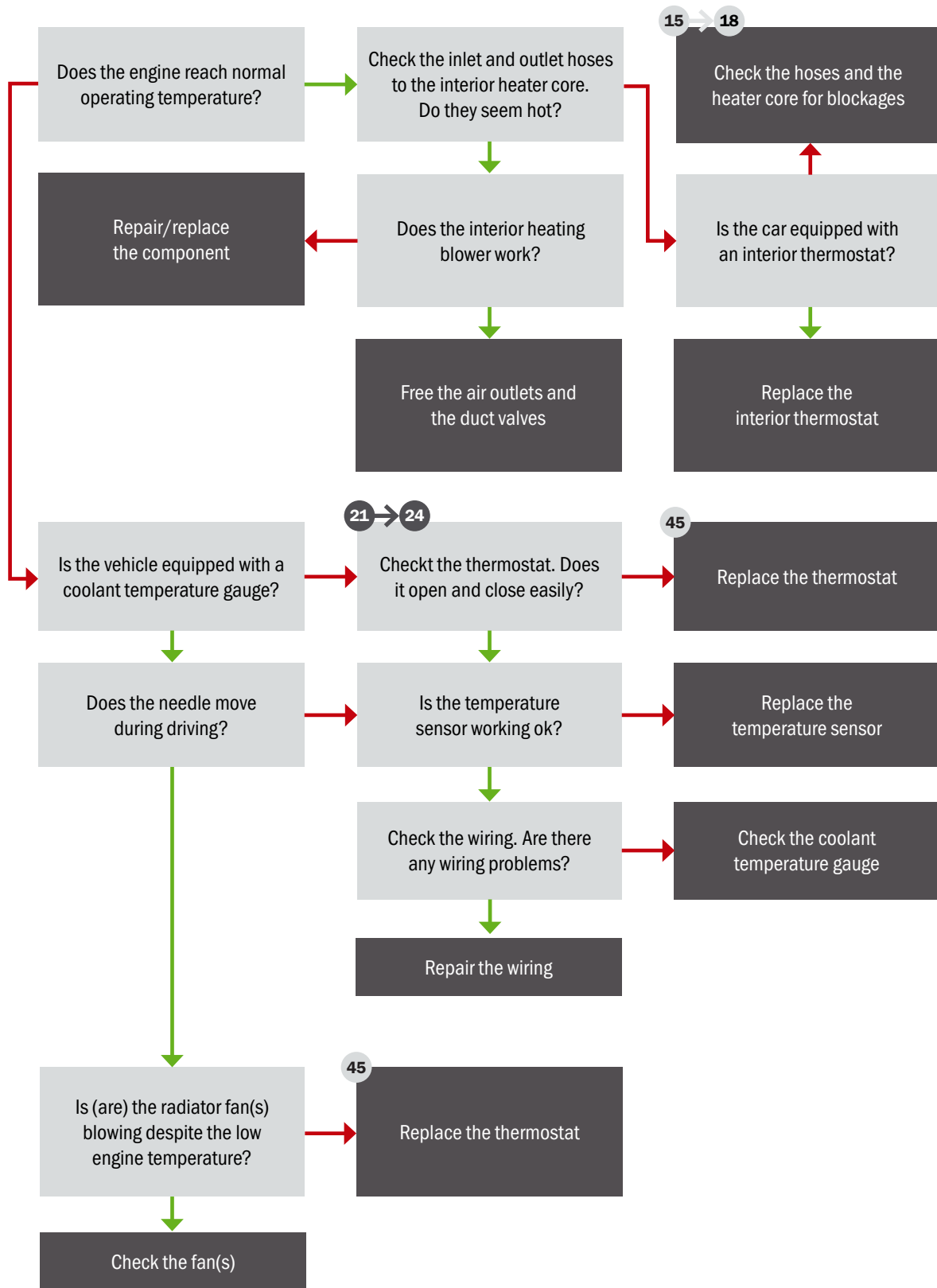
NOISE FROM THE WATER PUMP



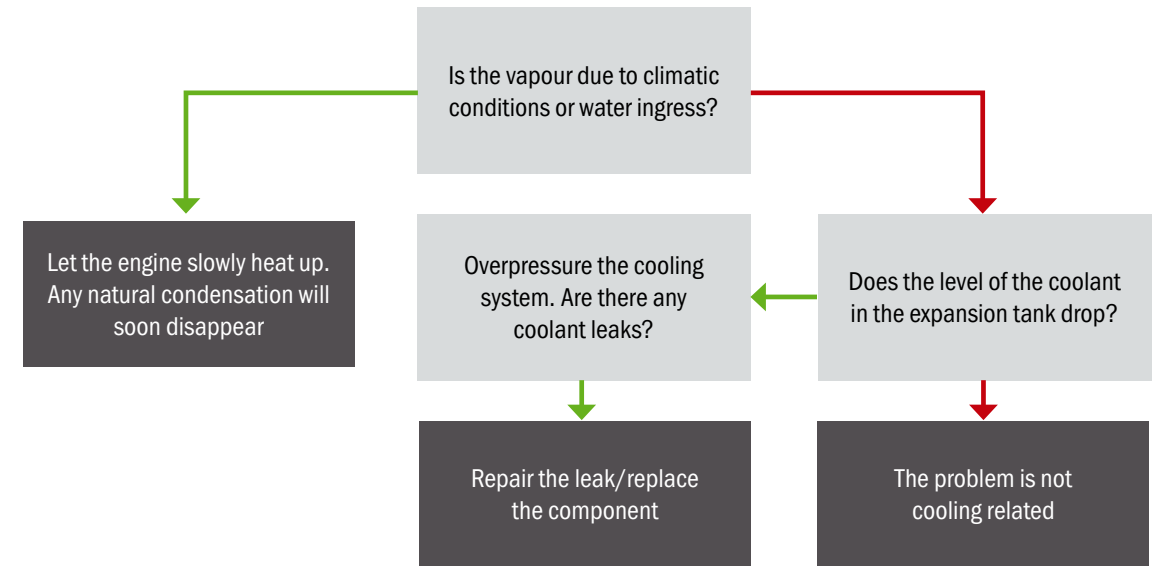
NOISE CAUSED BY AIR BUBBLES IN THE EXPANSION TANK



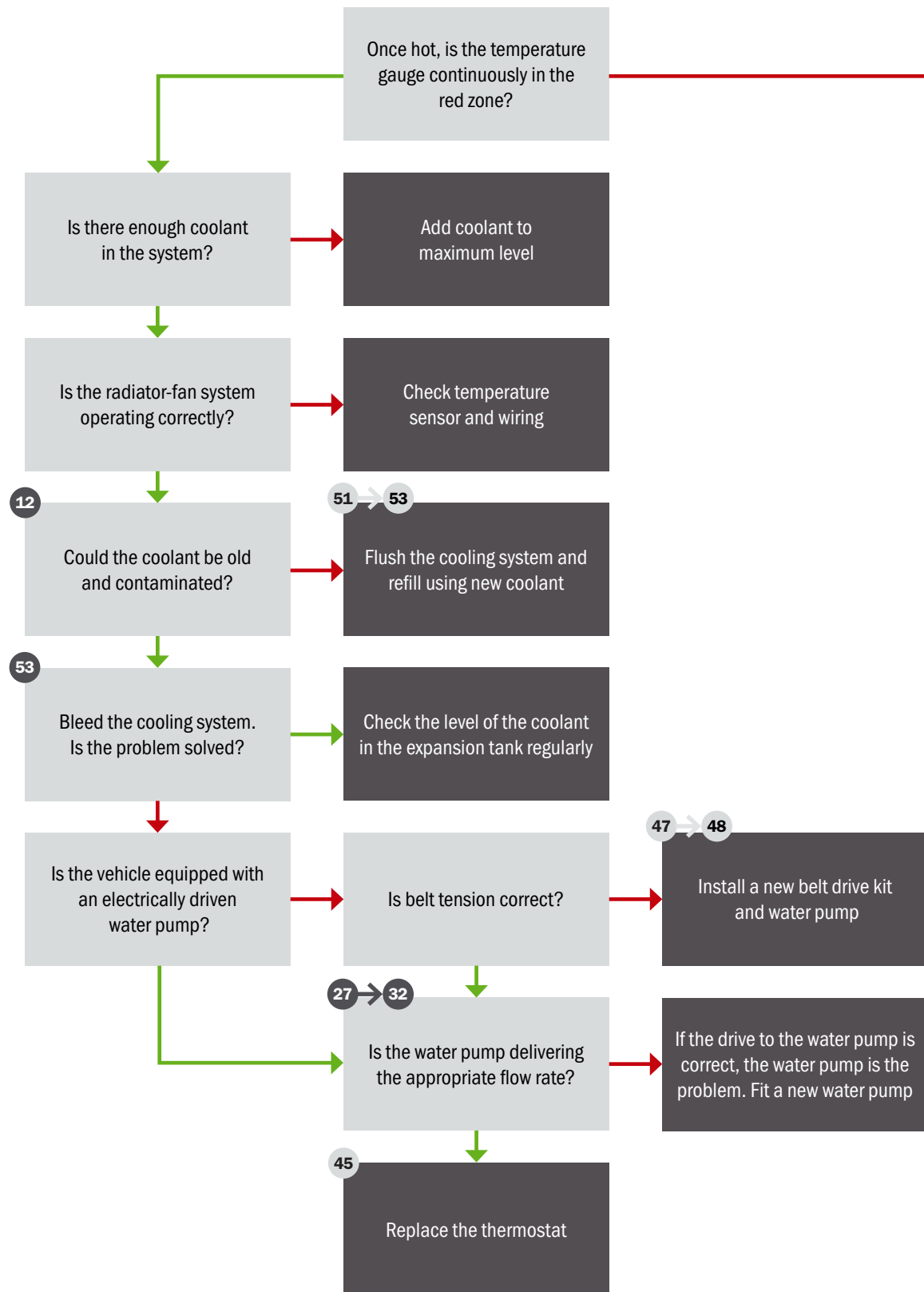
NO/INSUFFICIENT INTERIOR HEATING



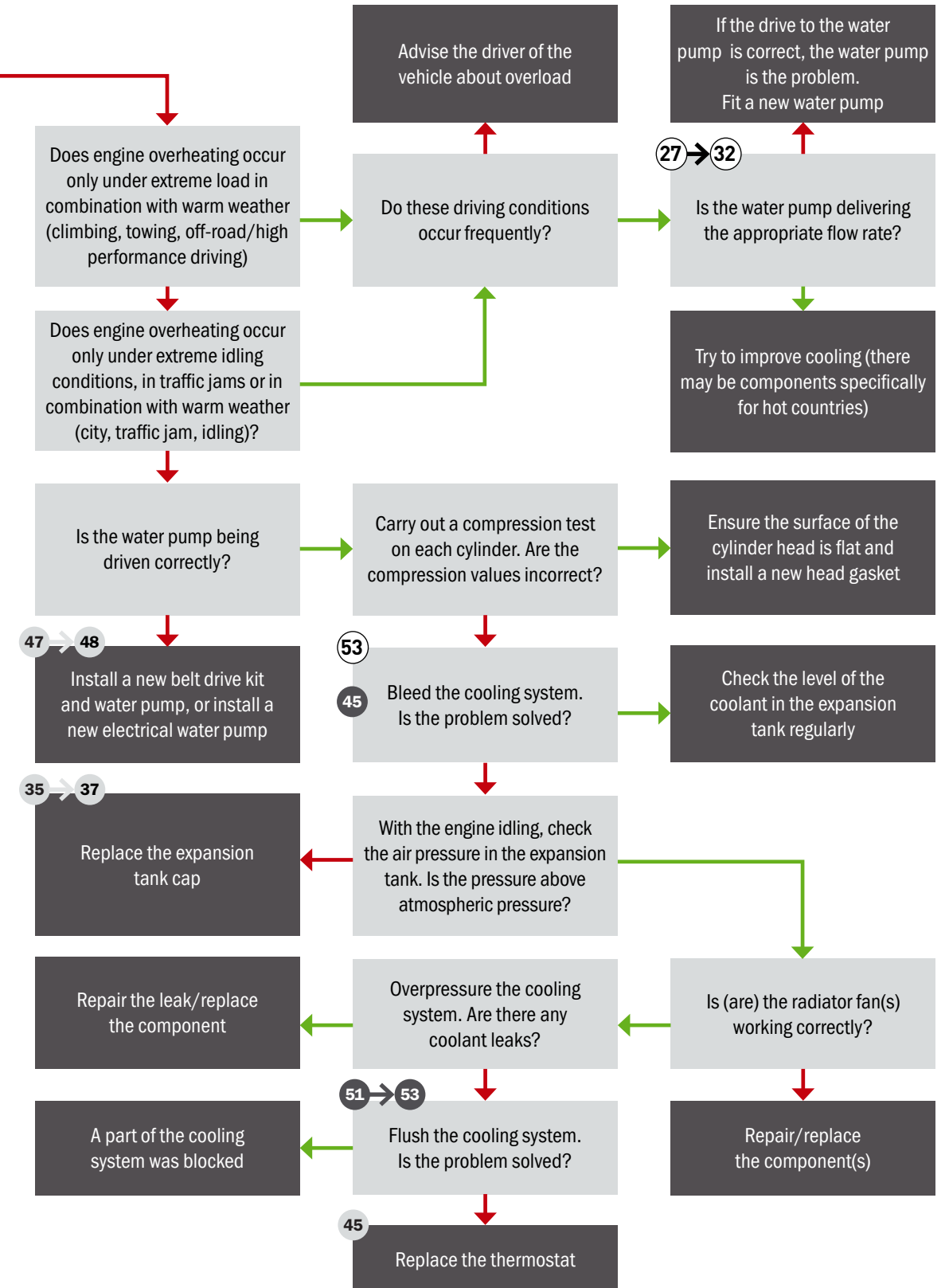
STEAM FROM UNDER THE BONNET



ENGINE IS OVERHEATING



STEAM FROM UNDER THE BONNET





GATES KEEPS YOUR KNOWLEDGE UP-TO-DATE!

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This booklet should be read in conjunction with the **Cooling System** troubleshooting guide and may not be distributed separately.
The manufacturers reserve the right to amend details where necessary.

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