



# Ferrari North America

## Technical Information

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**Model: SF90 Stradale**

**Subject: Procedure for bleeding the braking system**

Please note that the aforementioned vehicle is equipped with a “brake-by-wire” system, which is entirely managed by a Bosch “Onebox” NFR control unit (Braking System Node).

The self-diagnosis routines used are specific to this control unit, and differ from the routines implemented by the control units on prior Ferrari models.

Specifically, a number of these self-diagnostic routines check the pressure in the braking system, and may cause the control unit to freeze as it detects values not within normal operating ranges.

As a result, bleeding procedures performed “manually” (i.e. without using the DEIS diagnostic tester), will cause the NFR control unit to freeze. A frozen control unit can only be restored to working order by performing a “Good Check” procedure that can be found in the troubleshooting for the relative DTC. Open an ROL if the errors cannot be cleared after this procedure.

The procedure for bleeding the braking system of the aforementioned model must only be performed using the specific cycle in the DEIS (DEIS Alpha 6.0.0.0 version or newer required) diagnostic tester. Any other procedure or method will be deemed “misuse”.

Thank you for your co-operation.