



## *Opel Vectra A/Astra F/Calibra*

### **Unsatisfactory cooling of original systems**

If customers find fault with the cooling performance of the air-conditioning system of a Vectra A, Astra F or Calibra, the refrigerant charge and the expansion valve should be the first check carried out.

Opel has stated that they recommend increasing the charge and to use a different expansion valve.

The new charge should be:

Vectra and Calibra – 1000 grams (750 g previously)

Astra – 900 grams (700 g previously)

The old expansion valve must be replaced with a modified one.

This can be obtained through the Hella N°.: 8UW 351 239-111

Using the following list you can check if a replacement has already taken place:

TYPE	OE number old valve	Old label	OE number new valve	New label	New charge R134a
Astra F	52463012	90381751	52464434	90451190	900 g
Vectra A Calibra	52463012	90381751	52464434	90462415	1000 g

Bulletin