

# Air conditioning

## Applicable to

All Rolls-Royce and Bentley motor cars from vehicle identification number (VIN) \*SCBZS0T03HCX20001\*

## Introduction

The purpose of this Product Support Information Sheet is to advise Service Personnel of a change of model of the air conditioning refrigeration compressor. The new compressor has been introduced from VIN \*SCBZP03A6MCX35435\*

## Description

The new refrigeration compressor is a Sanden 709 model compressor and is almost identical in appearance to the Sanden 510 originally fitted. When the new compressor is mounted on the engine, the oil filler plug is now situated on the left-hand side of the unit (Sanden 510 oil filler plug was mounted on the top of the unit).

It will now be necessary to remove the compressor from the motor car to ascertain the correct oil content of 45cc. Place the compressor on a flat surface and the oil filler plug uppermost. The new compressor is a seven cylinder unit, but has an almost identical cubic capacity and as such it can be fitted to motor cars identified under the heading 'Applicable to' above.

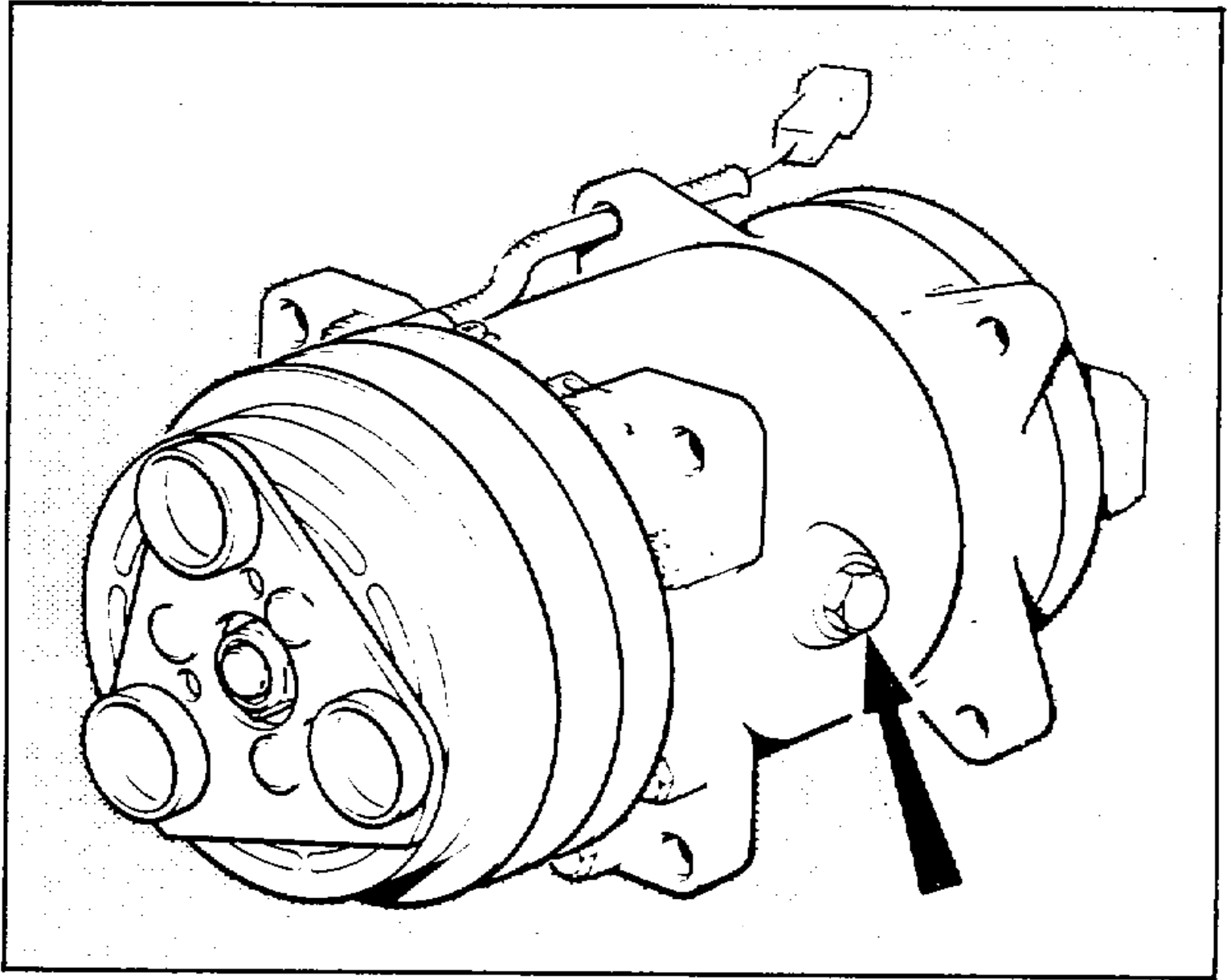
## Defect and Repair code manual

Defect code	
04010100	
Repair Code	Time
04010100R	2.3 hours

## Parts affected

Displaced part number	Description	New part number
UE 46000	Compressor	UD 73526
	Link Loom	UD 73924W

C11-1 Sanden 709 compressor



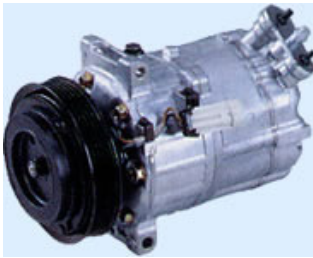


# Automotive Systems

## Compressor:

### Swash Plate type/PX Series

Newly developed swash plate piston type PX series. It pursues high-speed durability and low NVH, thereby contributing to energy-conservation.



#### PXV Series

Internal control variable displacement  
Next generation variable capacity  
compressor equipped with state-of-the-art  
technology.



#### PXE Series

External control variable displacement  
This will contribute to power-conservation  
(energy-efficiency) by enabling external  
control without clutches.

### Wobble plate type/SD series

It is highly valued by customers as a mainstay compressor with much improvement having been added in the twenty years since its initial development, as well as through the introduction of variable displacement type compressor.



#### SD5 Series

Fixed displacement  
This is a basic model of Sanden  
compressor and is well used continuously.



#### SD7 Series

Fixed displacement  
Best-selling model being produced in  
plants in Japan, South-East Asia, and the  
Americas.



#### SDV Series

Internal control variable displacement  
It provides comfortable space in the car  
by constantly achieving stable power.



#### SDC Series

External control variable displacement  
It provides comfortable space in the car  
by constantly achieving stable power.

### Scroll type/TR Series

Sanden started manufacturing of scroll compressor ahead of other makers in the world in 1981, and overseas auto manufacturers adopted it, thanks to its high efficiency, quietness, and super-high-speed durability.



#### TRSA Series

Fixed displacement  
Next generation scroll compressor  
pursuing reliability.



#### SHS

Electric driven type  
Sanden electric driven compressor  
eliminates gas leakage by offering the  
possibility of seal-up; it has been made  
smaller and lighter, thereby contributing to  
environment conservation.

### Heat Exchangers:

#### Evaporator

A plate and fin evaporator manufactured using state-of-the-art technologies with the thinnest core.



#### PAF38

- Its super-light weight has been achieved by creating as much space as possible with its core depth of 38mm
- High efficacy has been achieved thanks to uniform temperature distribution

#### Condenser

Sanden succeeded in uniform diversion of refrigerants by one caliper for the first time in the