

# 1995 XJ RANGE - CLIMATE CONTROL SYSTEMS - 314-14

## PRELIMINARY TABLES

### I. SERVICE TOOLS & EQUIPMENT

Illustration	Jaguar Number	Description	Notes
not illustrated	Recovery / Recycling / Recharging	station	See standards

### II. Torque tightening specifications

Fixing	Tightening Torque (Nm)
Blower assembly to body	4 - 7
Condenser to receiver / drier (tube nut)	14 - 18
Discharge hose to condenser (tube nut)	22 - 28
Heater / cooler case to body	5 - 7
Hoses to compressor	7 - 10
Hoses to evaporator plate	7 - 10
Liquid line to receiver / drier (tube nut)	14 - 18
Mounting strut to heater / cooler case	5 - 7

### III. SERVICE MATERIALS

Description	Uses	Notes
HFC 134A - ICI Klea or equivalent	Refrigerant	Recyclable. NOT compatible with CFC 12
Polyalkyleneglycol (PAG)	Compressor lubricant	Absorbs water readily. NOT compatible with mineral based oils

### IV. SERVICE DATA

# 1995 XJ RANGE - CLIMATE CONTROL SYSTEMS - 314-14

Application	Specification
Charge weight	1100 g +/- 50 g
Lubricant capacity	160 - 200 ml
Compressor pressure relief valve	Opening point 34 Bar. Closing point 27,6 Bar. Maximum leakage rate of 113 liters / minute @ 41 Bar
Drive belt 12 cylinder	7 rib Poly-vee; 1450 mm long
Drive belt tension	<b>Burroughs method</b> - New belt 790 N; If tension falls below 270 N reset at 630 N
All figures apply to a cold belt	<b>Clavis method</b> - New belt 114 to 120 Hz; If tension falls below 70 Hz reset at 87 to 93 Hz
Special note	For new belt; rotate engine 3 revolutions minimum and retension
Drive belt tension measuring point	Mid-way between crankshaft and compressor pulley
Drive belt 6 cylinder	4 rib Poly-vee X 1010 mm long
Drive belt tension	Burroughs method - New belt 556 to 578 N; If tension falls below 245 N reset at 378 to 400 N
All figures apply to a cold belt	Clavis method - New belt 167 to 173 Hz; If tension falls below 85 Hz reset at 127 to 133 Hz
Drive belt tension measuring point	Mid-way between crankshaft and compressor pulley on the upper run

Standard for Recovery / Recycle / Recharge Equipment.	
Feature	Requirement
Recovery rate	0,014 - 0,062 m <sup>3</sup> / min. (1,36 kg in 20 minutes)
Cleaning capability	15 parts per million (ppm) moisture; 4000 ppm oil; 330 ppm non condensable gases in air
Oil separator	With hermetic compressor and automatic oil return
Moisture indicator	Sight glass type, sensitive to 15 ppm minimum
Vacuum pump	2 stage 0,07 - 0,127 m <sup>3</sup> / min.
Filter	Replaceable with moisture indicator
Charge	Selectable charge weight and automatic delivery
Hoses	Dedicated HFC 134A port connections.
Charge pressure	Heating element to increase pressure