



V8 Sedan & XK8

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SERVICE

TECHNICAL BULLETIN

Elevated Idle Speed – Cold Start & Warm-up – Base Idle Specifications

MODEL

1997 MY-ON XK8 Range
1998 MY-ON V8 Sedan

VIN

001001-ON
812256-ON

Issue:

Customer complaint of high idling speed during engine warm-up period.

BACKGROUND:

Jaguar AJ-V8 engines idle at higher speeds during the warm-up period than earlier AJ16 and V12 engines. This may cause unjustified concerns from customers having experience with earlier Jaguar models.

Compliance with increasingly stringent emissions legislation requires an engine management strategy employing leaner air/fuel ratios than previously, requiring higher idling speeds. This may be particularly noticeable to the customer on a cold or partly warmed up engine. Once the coolant temperature approaches operating temperature, normal idle speed will resume.

Action:

In case of a customer concern of alleged high idling speed, particularly on a cold or partly warmed up engine, refer to the idle speeds in the chart on the next page. If the observed idle speeds are approximately the same as listed, no defect exists. Advise the customer of the warm-up strategy.

A noticeable, but temporary, increase in idling speed must be expected when an engine is started cold, or restarted with the coolant temperature in the zone around 25° C.

It should also be noted that the instrument panel tachometer will indicate an engine speed 50 - 100 rpm greater than true engine speed, as measured electronically by workshop service equipment.

Diagnosis is not necessary unless idling speeds vary significantly from those listed in the chart.

BASE IDLE RPM IN PARK OR NEUTRAL

Coolant Temp Deg. C	XK8 1997 MY-ON Idle RPM	V8 Sedan 1998 MY Idle RPM	Additional Increase in Idle RPM
- 30	1200	1200	
- 20	1140	1140	
- 10	1070	1070	
0	1000	1000	
10	960	960	
20	930	930	Add 220 RPM for 20 seconds if engine is started in this coolant temperature zone
30	890	890	Add 260 RPM for 20 seconds if engine is started in this coolant temperature zone
40	820	870	
50	770	860	
60	720	850	
70	700	650	
80	650	650	
90	650	650	
100	650	650	
110	700	700	

This Technical Bulletin is issued for information only, as an aid to Customer advice and possible diagnosis.