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TECHNICAL REPORT

Oil pan gasket 14028900
assembly for Nissan Patrol
A.428



01

INTRODUCTION

The third generation **Nissan Patrol** (1980-1994) was equipped with the naturally aspirated 2.8 L diesel version of the Ebro A428 and A428II engines. This type of engine is fitted with a low-thickness sheet steel oil pan, which is fitted with the **14028900 gasket**.

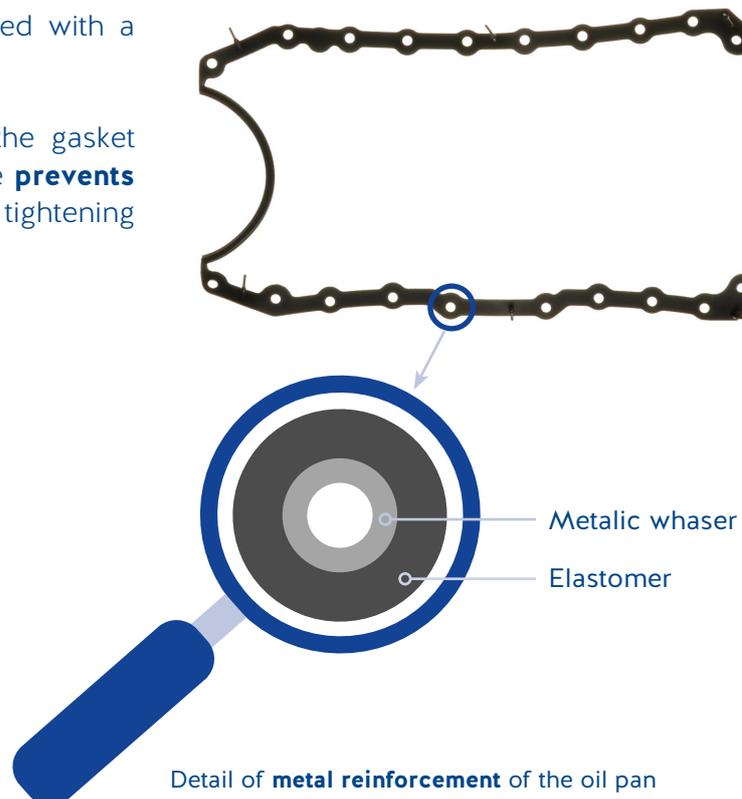
To avoid problems with the gasket. This technical report will explain the peculiarities of its assembly and necessary tightening torque.

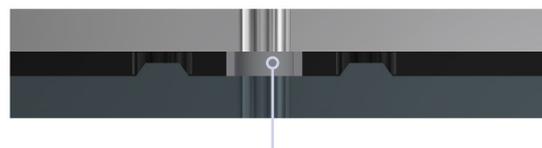
02

DESCRIPTION

The oil pan gasket 14028900 is provided with a **metal reinforcement** in all screw holes.

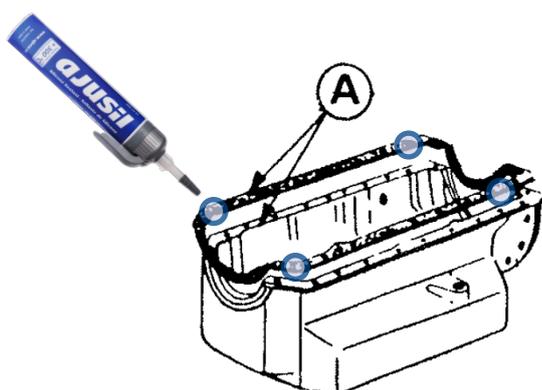
This limits the sealing pressure from the gasket itself and not from the oil pan, therefore **prevents the gasket from cracking** during the tightening procedure.





Metalic washer
(Pressure limiter)

However, if the **tightening is too high or irregular**, it can produce the cracking of the gasket as shown in the following picture. This results in **oil pan oil leakage**.



The gasket has multiple **inserts** that are used to place the gasket in its correct position and prevent it from being stepped on. These inserts are indicated with the letter A in the image.

The **use of sealant** is only recommended for the corners of the gasket neck. You can follow the sealant recommendation in the workshop manual.

03

TIGHTENING AND SEQUENCE

The tightening torque of the bolts should be between 1.5 and 2.0 kgm, or between **15 and 20 Nm**. If the 25 Nm barrier is exceeded, the joint will end up cracking.

