

HOW TO CHOOSE THE CORRECT HARMONIC DAMPER - NISSAN RB

NISSAN RB20DET / RB25NEO

4PK POWER STEERING PULLEY

PART NUMBER: 306200-12T

NISSAN RB25 R33

3PK POWER STEERING PULLEY

OFFSET SAME AS RB20DET / RB25NEO
WITH ONE LESS PULLEY GROOVE

PART NUMBER: 306201-12T

NISSAN RB26 R32

4PK POWER STEERING PULLEY

OFFSET INCREASED BY 10MM
COMPARED TO RB20DET / RB25NEO

PART NUMBER: 306202-12T

NISSAN RB26 R33 GTR / NISSAN RB26 R34 GTR

4PK POWER STEERING PULLEY

OFFSET INCREASED BY 6.5MM
COMPARED TO RB20DET / RB25NEO

PART NUMBER: 306203-12T

NISSAN RB30 (AUSTRALIA)

3PK POWER STEERING PULLEY

OFFSET & GROOVE COUNT SAME AS RB25 R33

PART NUMBER: 306210-12T

POWER STEERING PUMP DETERMINES WHICH DAMPER IS REQUIRED.

What are the similarities?

All RB engines share the same pulley offsets and pulley groove count for the water pump/alternator pulley.

All RB engines, excluding the Australian delivered RB30E/ET, share the same pulley offsets and groove count for the air conditioner pulley (the RB30E/ET has a V pulley for AC).

What differs?

The differences between the models is the power steering pulley offset and groove count. This means that whatever car donated its power steering pump, pulley and bracket to your setup determines which damper you choose.

All RB26 R32, R33 and R34 GTR's have splined power steering pump shafts with a nut on the front, all other RB pumps use a press on pulley.

The RB26 R32GTR power steering pulley is 4PK and the pulley line is the furthest forward of all RB engines.

The RB26 R33 GTR / RB26 R34 GTR power steering pulley is also 4PK, however the pulley line is 1PK pitch (3.5mm) closer to the engine compared to the R32GTR fitment.

The RB20DET and RB25NEO share the same 4PK power steering offset, approx. 10mm closer to the engine compared to the RB26 R32GTR.

The RB25DET R33 and RB30E/ET share the same PS offset as the RB20DET / RB25NEO but have one pulley groove removed from the front to become a 3PK pulley.

MOUNTING FACE

AIR CONDITIONER PULLEY:

SAME DIAMETERS, OFFSETS & GROOVE COUNT (4PK) ACROSS ALL RB MODELS EXCEPT RB30E/ET (V BELT)
AC NOT APPLICABLE ON RACE/GOLD SERIES DAMPERS

WATER PUMP & ALTERNATOR PULLEY:

SAME OFFSETS, DIAMETERS & GROOVE COUNT
ACROSS ALL RB MODELS

NOTES:

METAL JACKET DAMPERS SHOWN
RACE SERIES / GOLD SERIES EXCLUDE A/C PULLEY

BELT MISALIGNMENT CAN RESULT IN TRACKING ISSUES



DRAWING TITLE
**HARMONIC DAMPER
COMPARISON
NISSAN RB**

DRAWING NUMBER
NISSAN RB