



### BILSTEIN Shock Absorber P 2117 – insert for BILSTEIN McPherson struts

**Note:**

In BILSTEIN gas pressure shock absorbers the oil is pretensioned by gas. It is therefore not permitted to open them. To ensure proper function, none of the shock absorber parts are to be clamped in a vice or similar tool. For safety reasons, the helical pressure spring on struts should only be tensioned by means of a spring tensioner. When disposing of old parts, please pay attention to the regulations mentioned in the list of types.

#### 1. APPLICATION DATA

These inserts are exact replacements for the shock absorber cartridge in the following Bilstein-manufactured struts only:

BILSTEIN NUMBER	PORSCHE NUMBER
V 36 – 019	911.341.079.33
V 36 – 020	911.341.080.33
V 36 – 113	911.341.079.40
V 36 – 114	911.341.080.40
V 36 – 115	911.341.079.34
V 36 – 116	911.341.080.34
V 36 – 117	911.341.041.30
V 36 – 118	911.341.042.30

P 2117 will also fit the following struts, but both sides must be replaced as the settings are stiffer than original:

V 36 – 121	911.341.041.31
V 36 – 122	911.341.042.31

- To remove original insert, carefully remove the rollpin located near the bottom of the strut tube and pull the shock out from the top. Remove bumpstop from inside the strut, or from piston rod.
- Lubricate the area inside the strut tube between the sliding bearings with high-quality (molybdenum or equivalent) grease.
- Slide the shock absorber into the strut tube until the slot on the piston rod is aligned with the rollpin hole. Re-install the rollpin, ensuring that it is centered in the strut and that the insert rod is held in place securely.
- Do not install these shocks in damaged struts!**
- “Sticking” or “binding” may indicate that re-lubrication is necessary. Older struts with worn bearings will require more frequent disassembly and lubrication.**

ThyssenKrupp Bilstein Suspension GmbH  
August-Bilstein-Str. 4, 58256 Ennepetal  
Postfach 11 51, 58240 Ennepetal  
Telefon: (0 23 33) 791-4588,  
Telefax: (0 23 33) 7 91- 4580  
Internet: [www.bilstein.de](http://www.bilstein.de)