

DID YOU KNOW?

PRODUCT IMPROVEMENT PLASTIC TO METAL BUSH

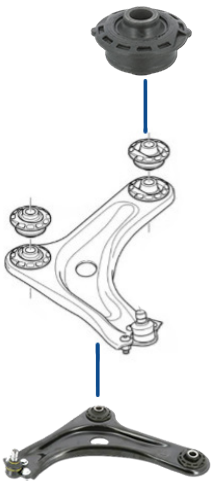
ADVICE FOR THE PROFESSIONAL DYK21-02

APPLICATIONS:

CITROEN C2 - C3 2003 --> 2009
PEUGEOT 1007 2005-->

OVERVIEW

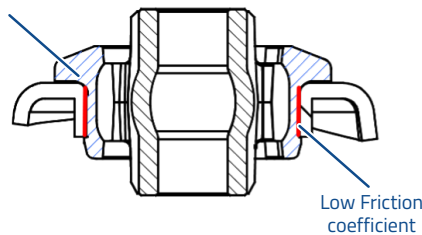
Early models of the Citroën C2 and C3 were equipped with wishbone arms fitted with plastic-tube bushes:



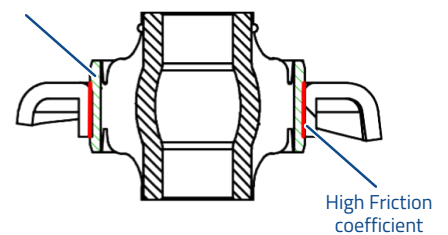
PLASTIC TO METAL BUSH

The friction coefficient between steel (the arm body material) and plastic (the bush outer tube material) is very poor. This is why MOOG has replaced the plastic bush with one of a metal design.

Plastic outer tube



Metal outer tube



Whilst the plastic bushes remain secure under normal driving conditions, a high impact (such as a kerb, pothole, or raised surface, especially at a roundabout) can generate the force required to cause the plastic bush to pop out from its arm body bore.

MOOG Engineers have consistently sought to improve the pull-out force of its plastic bushes and have achieved performance which exceeds that of OE parts.

However, the poor friction coefficient of plastic material versus steel means that there will always be a potential weakness. With this in mind, MOOG has permanently substituted the plastic outer tube technology with a stronger metal solution.

With this metal technology, MOOG has managed to exceed the pull out value of its OE and competitor equivalents, making MOOG control arms better equipped to deal with unforeseen impacts.

CI-TC-0933 / 0932



CI-WP-12503 / 12504

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