

TVA valve Y42 and boost pressure sensor B4 cleaning procedure

M29- CM 2200

(R750EU6 engines)

SA 26.03.2019 / rev.02



- Inspection / execution at intervals of **500** operating hours
- If the failure P0299-01 occurs

Material preparation



Prepare for good cleaning:

- One Container
- Degreaser like brake cleaner
- A soft brush
- O-Ring (article number 46320277F)
- O-Ring (article number 46320266F)
- Hex- wrench 3 mm
- Wrench 8 mm



Removing the valve from the engine



A
Disconnect
the plug



B
Loosen the 4
screws with an 8
mm wrench



C
Remove
the TVA



D
Seal the intake
elbow with an
appropriate
cap to prevent
foreign material
ingestion

Clean the valve with degreaser



Attentions!
To avoid damage to electrical parts, do not completely immerse the valve in the solvent.



Clean valve with degreaser



Before cleaning



After cleaning

Valve reinstall



- Make sure to remove the elbow sealing (cap)
- Make sure to install the new O-ring.
- Reinstall the valve in reverse order starting with point C on page 3

Loosen the screw



Loosen the screw
with a 3 mm hex-
wrenge

Cleaning and blowing out



- Clean the sensor with the brake cleaner.
- Then blow out everything with air.
- Replace the O-ring (article number 46320266F)
- Reinstall the sensor

Important:

If the error P0299-01 was the reason for the cleaning, a regeneration of the particle filter must be carried out after deleting the error!