

Reason

Field experience has shown that in some cases non OEM air filter mats are fitted to the silencers of TCR turbochargers. These air filter mats are made of a less resistant material than MAN OEM air filter mats. A possible dissolution of the mat fibers may cause severe damage to the turbocharger. Fiber parts can be sucked in and may cause damages to the compressor wheel and consequently to the engine. In addition, foreign objects can enter the silencer since the filter effect is no longer given – see **figure 1**.



Figure 1: Non OEM air filter mat.

**Action Code:
When convenient**

**Non original air filter mat
at TCR silencers**

**MAN Energy Solutions
PrimeServ Customer Information
PCI No. 410 / October 2019**

Concerns

MAN Energy Solutions ES
Turbochargers

TCR turbochargers equipped with
silencer (544.000)



PrimeServ Customer Information

The MAN OEM air filter mat is made of a progressively structured synthetic random fiber fleece, which is resin-bonded and specially adapted to its application.



Figure 2: MAN OEM air filter mat (544.201).



Figure 3: Less resistant non OEM air filter mat.



Please note that only MAN OEM air filter mats are approved and validated to ensure a reliable operation of your turbocharger!

We also would like to remind, that a proper attachment of the air filter mat on the silencer is essential. The air filter mat must completely cover the perforated sheet (544.034) and the hose clamps must be positioned as far as possible on the edges – see figure 4.

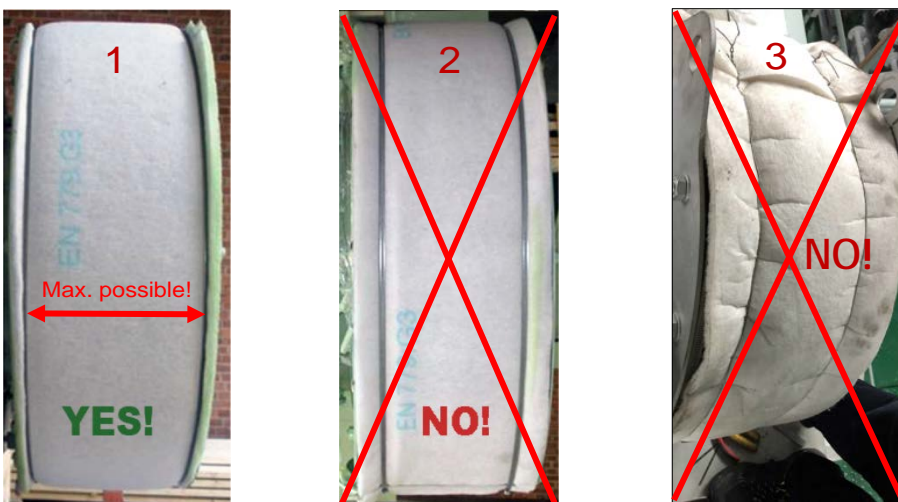


Figure 4: Correct (1) and not correct assembled MAN OEM air filter mat (2), (3).

PrimeServ Customer Information

Component	TCR12	TCR14	TCR16	TCR18	TCR20	TCR22
Air filter mat	544.201	544.201	544.201	544.201	544.200	544.150
Hose clamps	544.202 (2x)	544.202 (2x) 544.203 (1x)	544.203 (2x)	544.202 (2x) 544.203 (1x)	544.202 (4x)	544.160 (Lashing strap)

Table 1: Catalog numbers of the air filter mat and the hose clamps separated to each TCR-type.

Contact

In case of any queries, please do not hesitate to contact our Technical Service Department for further assistance:

MAN Energy Solutions SE

Stadtbachstraße 1

86153 Augsburg, Germany

Tel.: +49 821 322-4010

Fax: +49 821 322-2411

E-mail: primeserv-tc-technical@man-es.com



ppa. Alexander Schäfer

Vice President

PrimeServ Turbocharger & Exhaust Gas Treatment



i.V. Klaus-Peter Ebel

Head of Technical Consulting

PrimeServ Turbocharger & Exhaust Gas Treatment

Please forward this information to your technical operating personnel and remember to inform us of the current operating hours of your MAN turbochargers.