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GROUP: 25 - Emissions Control

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SUBJECT:

Instrument Panel Cluster (IPC) Message about Diesel Particulate Filter (DPF) Regeneration

MODELS:

2019 - 2020	(KL)	Jeep Cherokee
2019 - 2020	(JL)	Jeep Wrangler

NOTE: This bulletin applies to vehicles within the following markets/countries: EMEA.

NOTE: This bulletin applies to vehicles equipped with a 2.2L N-S I4 Turbo Diesel Engine W/ESS (Sales Code EBH) or 2.2L I4 Turbo Diesel Engine W/ ESS (Sales Code EBV).

DISCUSSION:

Customers may describe a warning message displaying on the IPC about DPF regeneration or a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC).

- P2463 - Particulate Filter Restriction - Soot Accumulation Bank 1.

Normal diagnosis should be performed to determine the root cause.

After normal diagnosis has been performed and it is determined that the customer neglected the IPC warning message about DPF regeneration, this will result in customer pay to have a forced regeneration procedure performed instead of the normal regeneration as recommended in the user manual and in the information leaflet provided with their vehicle upon delivery (Fig. 1).

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FIAT CHRYSLER AUTOMOBILES

Leaflet w/ instructions to follow cluster DPF message

DPF (PARTICULATE FILTER) CLEANING IN PROGRESS

The warning light or symbol or a specific message switches on constantly to indicate that the DPF needs to eliminate the trapped pollutants (particulate matter) through the regeneration process; it therefore does not indicate a malfunction.

To switch off the warning light, symbol or message, keep the car running until regeneration is complete (ideally at 60 km/h with engine speed over 2000 rpm). The process normally takes about 15 minutes.

Failure to observe the appropriate procedure for a long distance when the warning light, symbol or message appears can cause the warning light to come on, resulting in the need to go to a Jeep Dealership to restore correct DPF operation.



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CONGRATULATIONS ON CHOOSING A JEEPI!

In order to ensure environmental protection, your car is fitted with the SCR (Selective Catalytic Reduction) pollutant reduction system, which uses a reagent (AdBlue®).

The system only requires a minimal amount of this liquid to operate, so topping up is required less often than refuelling.

The system will alert you automatically when a top-up is required, and the procedure is very simple, as described in the Owner Handbook.

ABOUT ADBLUE® REAGENT:

AdBlue® reagent is a colourless liquid which helps to reduce the nitrogen oxide (NOx) levels in exhaust gases.

It is extremely important not to let the AdBlue® reservoir become completely empty, because in that case the engine will be unable to start until the reservoir is topped up with at least 5 litres of AdBlue®.

NOTE: AdBlue® consumption, like that of fuel, depends on your driving style. This range is recalculated on the basis of the consumption measured, to give you enough warning when a top-up is needed.

OIL DEGRY MONITORING SYSTEM

The ECM will calculate the effective lifetime of the oil in the engine, so that an oil change is only requested when really necessary.

The request to change the oil may vary according to how you use the vehicle: the oil change is intended to keep your engine at peak efficiency, and replacing used oil with clean oil is normal maintenance and not a malfunction.

LOW ADBLUE® ADDITIVE LEVEL

If the AdBlue® level is low, the warning light comes on or a message asks you to top up. When this happens, it does not indicate a fault, so it is not necessary to go to a workshop. If you do not top up with at least 5 litres of AdBlue®, subsequent messages keep reminding you, also stating the range remaining, to ensure you fill up as soon as possible.

When the residual range is 0 ltr, you will no longer be able to start the engine again after stopping it. After filling up, with the system decoupled in the RUN/READY position, wait for the warnings on the display to go out before starting the engine.

If the reservoir was empty before filling up with AdBlue®, you may need to wait for up to 2 minutes.

AdBlue® is a registered trademark of Continental AG Autotech/Innovia s.r.l. (CIC)

DEGRADED ENGINE OIL

The warning light, symbol or message behaves provided appear on the instrument panel display, and remain there until the oil is changed.

Degraded engine oil must be changed as soon as possible, and never more than 500 km from the first time the warning light comes on.

The appearance of this warning light, symbol or message is unrelated to the amount of oil in the engine, so never add more engine oil, but contact the Jeep Dealership to have the oil changed.

Fig. 1 Leaflet for DPF Regeneration Provided to Customer Upon Vehicle Delivery

POLICY:
Information Only