SI B11 04 16
Engine

May 2016
Technical Service

Service Action: N63R Engine – Replace the Wastegate Actuators and Program the Vehicle

This Service Information bulletin supersedes SI B111 04 16 **dated May 2016.**

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

MODEL

G12 (7 Series Sedan)

SITUATION

An internal manufacturing defect in the electric wastegate actuator can lead to a reduction in the engine power, engine malfunction warning illuminated and various faults stored the DME for wastegate operation.

AFFECTED VEHICLES

This Service Action involves certain G12 models (BMW 750i) produced from 7/2015 to 11/2015.

Vehicles which require this Service Action to be completed will show it as “Open” when checked either in the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

UPDATE! PROCEDURE

1. If the engine malfunction warning is illuminated then perform a vehicle test. If the engine malfunction warning is not illuminated then proceed to step 2.

   If one of the following faults are stored then create a PuMA Hotline case with “Service Action: N63R Engine – Replace the Wastegate Actuators and Program the Vehicle” in the subject line and wait for a response.

   PuMA Hotline case faults:

   FC 123437 - Electric wastegate: jammed closed (Bank 1)

   FC 123438 - Electric wastegate 2: jammed closed (Bank 2)

   And/or any faults that describe super knocking in the fault description.

   If it is necessary to move the vehicle do not drive the vehicle with any excessive load. Moving the vehicle at low load parking lot speeds to store the vehicle is acceptable.

   If the vehicle has one of the following faults stored then proceed to step 2:

FC 123511 - Electric wastegate, wastegate flap: sluggish

FC 123518 - Electric wastegate 2, wastegate flap: sluggish

FC 123412 - Electric wastegate, stop learning: stop position not found

FC 123414 - Electric wastegate 2, stop-Learning: stop position not found

FC 123422 - Electric wastegate, stop learning: starting position not found

FC 123424 - Electric wastegate 2, stop learning: starting position not found

FC 123516 - Electric wastegate control cable disruption

FC 123426 - Electrical wastegate 2, actuation cable disruption

If the vehicle has a fault(s) that is not described on this Service Information bulletin then continue diagnosing those faults using the applicable test plan for the fault(s) stored and then proceed to step 2.

2. Replace both wastegate actuators. Refer to Repair Instruction 11 65 300 Remove and install/replace the electrical controller for cylinder 1-4 wastegate and Repair Instruction 11 65 301 Remove and Install/replace the electrical controller for cylinder 5-8 wastegate.
3. Connect the vehicle to a battery charger.
4. Program the vehicle with ISTA/P 3.58.2 or greater.

Model	Target Integration Level
G12 (7 Series Sedan)	S15A-16-03-503

PARTS INFORMATION

Part Number	Description	Quantity
11 65 8 680 616	Wastegate actuators	2
17 51 7 585 577	Clamp	2

WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	**00 11 19 04 00**

Completion “before” vehicle delivery to the customer or the vehicle is already in the workshop

Labor Operation:	**Labor Allowance:**	**Description:**

00 64 539	31 FRU	Replace wastegate actuators and program the vehicle (includes connecting an approved battery charger/power supply and performing a vehicle test) (Plus work)
Or:		
00 64 540	23 FRU	Replace wastegate actuators (programming and coding is being performed in conjunction with another campaign or repair during the same repair visit) (Plus work)

Completion after vehicle delivery to the customer

Labor Operation:	**Labor Allowance:**	**Description:**
00 64 016	33 FRU	Replace wastegate actuators and program the vehicle (includes connecting an approved battery charger/power supply and performing a vehicle test) (Main work)
Or:		
00 64 017	25 FRU	Replace wastegate actuators. Programming is performed in conjunction with another repair (programming and coding is being performed in conjunction with another campaign or repair during the same repair visit) (Main work)

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