

**Complaint - Power Loss in Conjunction with Turbocharger Damage: Replacing Turbocharger and Exhaust Manifold (121/30)**

Model Line: **911 Carrera (992)**

Model Year: **2020**

Subject: **Turbocharger**

Information: The customer complains about the vehicle's loss of power and/or the message "Reduced engine power" in the instrument cluster.

A turbocharger with a damaged or blocked turbine wheel is diagnosed in the workshop.



**Information**

If this fault type occurs, the affected turbocharger **and** the associated exhaust manifold must be replaced.

Material analyses have shown that the defects on the turbochargers are caused by loose particles from the exhaust manifold.

Remedial Action: Replace turbocharger **and** exhaust manifold, see  
 ⇒ *Workshop Manual '213019 Removing and installing turbocharger'* and  
 ⇒ *Workshop Manual '261019 Removing and installing exhaust manifold'*

**Required parts and materials**

Parts Info:	Part No.	Designation	Qty.
		<b>- Use</b>	
	OPB145701L	⇒ Turbocharger (I no. D5S) - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB145701K	⇒ Turbocharger (I no. DW1) - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB251215	⇒ Exhaust manifold - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB145702L	⇒ Turbocharger (I no. D5S) - cylinders 4-6	1 ea.
		<b>or</b>	
	OPB145702K	⇒ Turbocharger (I no. DW1) - cylinders 4-6	1 ea.

	<b>or</b>	
OPB251216	⇒ Exhaust manifold - cylinders 4-6	1 ea.
	<b>Additional parts required</b>	
OPB145039	⇒ Seal	1 ea.
	- Exhaust manifold	
OPB145039A	⇒ Seal	1 ea.
	- Exhaust manifold	
PAF007634	⇒ Hexagon flange nut	4 ea.
	- exhaust manifold	
9P1253725A	⇒ Clamp	1 ea.
	- turbocharger	
9A725311500	⇒ Seal	1 ea.
	- turbocharger	
PAF008276	⇒ O-ring	6 ea.
	- oil line	
PAF008288	⇒ O-ring	6 ea.
	- oil line	
PAF008288	⇒ O-ring	2 ea.
	- vent line	
PAF008955	⇒ O-ring	1 ea.
	- intake pipe	
992129260	⇒ Hose clamp	1 ea.
	- intake pipe	
N 10544401	⇒ Hose clamp	1 ea.
	- intake pipe	
PAF008282	⇒ O-ring	1 ea.
	- coolant hose	
PAF00828100	⇒ O-ring	1 ea.
	- coolant hose	
PAF013814	⇒ Sealing ring	1 ea.
	- drain plug	

Materials: **Required materials** (usually already available at the Porsche dealer):

Part No.	Designation - Use	Qty.
00004320593	⇒ Lubricating grease - O-rings	100 g/ 3.5 oz tube <sup>1)</sup>
00004330537	⇒ Lubricating grease - Oxygen sensors	60 g/ 2 oz tube <sup>2)</sup>
00004330515	⇒ Coolant additive	20-liter/ 676 fl oz container <sup>3)</sup>
00004321093	⇒ ExxonMobil 1 OW-40 ESP X 3 engine oil	200-liter/ 6,763 fl oz container <sup>3)</sup>

- 1) approx. 10 grams/ 0.35 oz required per vehicle.
- 2) approx. 2 grams/ 0.07 oz required per vehicle.
- 3) approx. 0.5 liter/ 16 fl oz required per vehicle.

**Invoicing**

Invoicing: For documentation and warranty invoicing, enter the labor operations, PQIS coding and part numbers specified below in the warranty claim:

APOS	Labour operation	I No.
21305610	Replacing turbocharger	
21305620	Replacing turbocharger (Turbo S)	

PQIS coding:

Location (FES5)	21300	Turbocharger
Damage type (SA4)	1713	seized

Parts Info:	Part No.	Designation	Qty.
		<b>- Use</b>	
	OPB145701L	Turbocharger (I no. D5S) - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB145701K	Turbocharger (I no. DW1) - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB251215	Exhaust manifold - cylinders 1-3	1 ea.
		<b>or</b>	
	OPB145702L	Turbocharger (I no. D5S) - cylinders 4-6	1 ea.
		<b>or</b>	
	OPB145702K	Turbocharger (I no. DW1) - cylinders 4-6	1 ea.
		<b>or</b>	
	OPB251216	Exhaust manifold - cylinders 4-6	1 ea.
		<b>Additional parts required</b>	
	OPB145039	Seal - Exhaust manifold	1 ea.

OPB145039A	Seal	1 ea.
	– Exhaust manifold	
PAF007634	Hexagon flange nut	4 ea.
	– exhaust manifold	
9P1253725A	Clamp	1 ea.
	– turbocharger	
9A725311500	Seal	1 ea.
	– turbocharger	
PAF008276	O-ring	6 ea.
	– oil line	
PAF008288	O-ring	6 ea.
	– oil line	
PAF008288	O-ring	2 ea.
	– vent line	
PAF008955	⇒ O-ring	1 ea.
	– intake pipe	
992129260	Hose clamp	1 ea.
	– intake pipe	
N 10544401	Hose clamp	1 ea.
	– intake pipe	
PAF008282	O-ring	1 ea.
	– coolant hose	
PAF00828100	O-ring	1 ea.
	– coolant hose	
PAF013814	Sealing ring	1 ea.
	– drain plug	
00004320593	⇒ Lubricating grease	approx. 10 grams/ 0.35 oz
	– O-rings	
00004330537	⇒ Lubricating grease	approx. 2 grams/ 0.07 oz
	– Oxygen sensors	
00004330515	Coolant additive	approx. 0.5 liter/ 16 fl oz
00004321093	ExxonMobil 1 0W-40 ESP X 3 engine oil	approx. 0.5 liter/ 16 fl oz

References: ⇒ *Workshop Manual '213019 Removing and installing turbocharger'*  
 ⇒ *Workshop Manual '261019 Removing and installing exhaust manifold'*

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