☐ TECHNICAL **BULLETIN**

☐ 03/12/24	☐ TB EC 24/06 / PIB-NES-EX-24-001	☐ EGR SYSTEM ENGINE DIAGNOSIS

MODEL	SECTION
D23	EC

DESCRIPTION

This bulletin provides a simple and clear guideline for diagnosing vehicles affected by a potential engine failure linked with Exhaust Gas Recirculation (EGR) system and the potential impact to the engine (overheat damage) on a customer complaint basis only.

The diagnosis is valid for D23 Navara with YS23DDTT engine (Euro6D TEMP specification only).

BACKGROUND

The D23 Navara has a complex engine design, resulting in difficult diagnosis and an increase in engine replacements as a fix. This bulletin aims to assist in diagnosing specific issue with the engine and reduce the workload and the number of unsuccessful repairs. Customers may experience engine running concern such as a reduction of power and/or engine malfunction indicator light ON in the Combimeter. If DTC or DTCs recorded is any of the following: P1028, P2002, P253F, P0400. If there is more than one DTC applicable, please follow the order of the bulletin. If the concern is not related to any of the previous failure modes or DTCs, please follow ESM or search for other applicable bulletins.

AFFECTED VEHICLES

FROM VIN	TO VIN
VSK***D23U0129209	VSK***D23U999999
FROM PRODUCTION DATE	TO PRODUCTION DATE
MAR-19	DEC-21

SERVICE PROCEDURE

Please follow one of the three below procedures to help diagnose engine issues based on the main DTC/fault recorded:

DTC P1028	DTC P2002 / P253F (recurrence at <15K km since last report)	DTC P0400
APPENDICES A TO F		

PARTS & WARRANTY INFORMATION

DTC P1028 YS23DDT - EGR COOLER LEAK		
SCENARIO	PART NUMBER	DESCRIPTION
ENGINE NOT DAMAGED	14735 00Q0H	COOLER ASSY EGR
ENGINE DAMAGED*	10102 01Q4F OR 11041 00Q3E	ENGINE ASSY BARE OR HEAD ASSY CYLINDER
Coolant as required. Nuts, Bolts and Gaskets as required per ESM indication. *If full engine is replaced, please follow ESM indications on auxiliary parts that might need replacement		

SUBJECT	**DTC P1028 YS23DDT - EGR COOLER LEAK**	
AFFECTED MODEL	D23	
WARRANTY CODES	PFP	14735* PLEASE SELECT EXACT PFP AS PER EPC)
	CS	ZQ
	CT	32
	CC	0
OPERATIONS	DESCRIPTION	CODE (FRT)
OPERATION FOR SCENARIO ENGINE NOT DAMAGED	DIAGNOSTIC FOR DTC P1028	CW57A3
	EGR COOLER R&I / RP	EA44A3
OPERATIONS FOR SCENARIO ENGINE DAMAGED	DIAGNOSTICS FOR DTC P1028	CW57A3
	EGR COOLER R&I / RP	EA44A3
	CYLINDER HEAD ASSY RP	AM12A3 OR AM12R3 (4WD)
	BARE ENGINE RP	AA20A3 OR AA20R3 (4WD)

All queries / claims submitted must include a full copy of dealer job card to confirm the detailed customer complaint, photos of the EGR Cooler Leakage Test or Pipe Disconnection, printout of compression test (Compression test should include cylinder leakage results in percentage) and photos and measurements of the cylinder-head and cylinder-block.

DTC P2002 / P253F YS23DDT - DPF MIL ON IN COMBIMETER		
SCENARIO	PART NUMBER	DESCRIPTION
	TUNAP 957	ENGINE CLEANER FROM TUNAP COMPANY COOLER ASSY EGR
	15209 00Q0M	OIL FILTER ASSY
Engine oil as required. Nuts, bolts and gasket as required as per ESM.		

SUBJECT	**DTC P2002 / P253F YS23DDT - DPF MIL ON IN COMBIMETER**	
AFFECTED MODEL	D23	
WARRANTY CODES	PFP	23701 D23PI
	CS	HC
	CT	32
	CC	0
OPERATIONS	DESCRIPTION	CODE (FRT)
	DIAGNOSTIC FOR DTC P2002 OR DIAGNOSTIC FOR DTC P253F	EV86A3 OR ER90A3
	ENGINE CLEANING USING TUNAP	AX61A3
SUBLET	OTHER LOCAL PART MATERIAL FOR TUNAP 957	199

All queries / claims submitted must include a full copy of dealer job card to confirm the detailed customer complaint and DTC printout with the amount of soot and oil dilution % before and after the service regeneration.

DTC P0400 - DPF YS23DDT ENGINE MIL ON IN COMBIMETER		
SCENARIO	PART NUMBER	DESCRIPTION
	TUNAP 957	ENGINE CLEANER FROM TUNAP COMPANYCOOLER ASSY EGR
	15209 00Q0M	OIL FILTER ASSY
Engine oil as required. Nuts, bolts and gasket as required as per ESM.		

SUBJECT	DTC P0400 - DPF YS23DDT ENGINE MIL ON IN COMBIMETER	
AFFECTED MODEL	D23	
WARRANTY CODES	PFP	23701 D23PI
	CS	HC
	CT	32
	CC	0
OPERATIONS	DESCRIPTION	CODE (FRT)
	DIAGNOSTIC FOR DTC P0400	EU74A3
	ENGINE CLEANING USING TUNAP	AX61A3
	INTAKE SYSTEM DIS & REASSEMBLE	AX59A3
	CLEANING COMPONENTS	AX60A3
SUBLET	OTHER LOCAL PART MATERIAL FOR TUNAP 957	199
All queries / claims submitted must include a full copy of dealer job card to confirm the detailed customer complaint and DTC printout.		