

SERVICE INFORMATION BULLETIN

TITLE : Knock Sensor Diagnostic Trouble Code Clarification

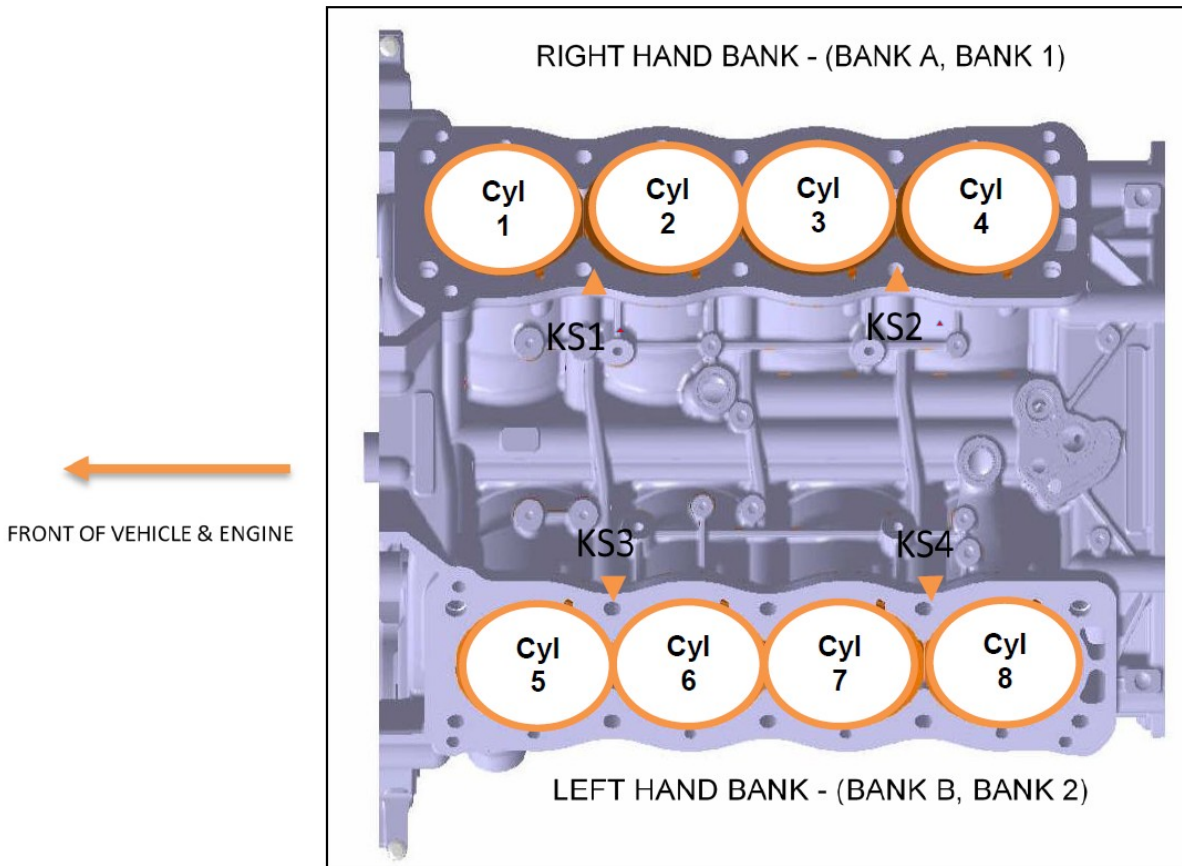
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AFFECTED VEHICLES : 12C Coupe and 12C Spider

SITUATION : Quality Engineering at McLaren Automotive have identified that due to an internal calibration configuration issue within the Engine Control Module (ECM) the Diagnostic Trouble Codes (DTC's) associated with knock sensors are incorrectly mapped to the cylinders.

PROCEDURE : In the event that knock sensor DTC's are present; the following chart should be referred to, to establish the actual knock sensor that requires investigation. .

DTC	INCORRECT KNOCK SENSOR DESCRIPTION	CORRECT KNOCK SENSOR DESCRIPTION	ASSOCIATED ENGINE ECU PINS
P032812	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P032711	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P142212	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P142111	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P032600	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P032500	KS4	KS1	EN001 Pin 79, EN001 Pin 100
P033312	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P033211	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P142612	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P142511	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P033000	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P033100	KS3	KS2	EN001 Pin 80, EN001 Pin 101
P032D12	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P032C11	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P142412	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P142311	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P032B00	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P032A00	KS2	KS3	EN001 Pin 78, EN001 Pin 99
P033D12	KS1	KS4	EN001 Pin 77, EN001 Pin 98
P033C11	KS1	KS4	EN001 Pin 77, EN001 Pin 98
P142812	KS1	KS4	EN001 Pin 77, EN001 Pin 98
P142711	KS1	KS4	EN001 Pin 77, EN001 Pin 98
P033A00	KS1	KS4	EN001 Pin 77, EN001 Pin 98
P033B00	KS1	KS4	EN001 Pin 77, EN001 Pin 98



The correct knock sensor description has been implemented at Platform 9 Engine control module (ECM) software level onwards

Please contact your Regional Aftersales Manager if you have any queries relating to the information contained in this bulletin.