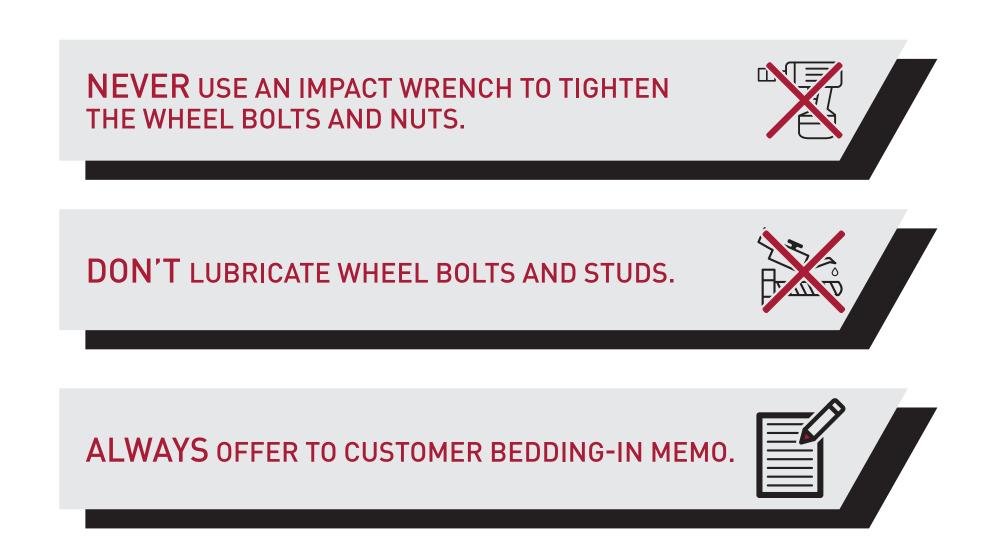
TROUBLE TRACER - SIMPLE STEPS TO PUT A STOP TO BRAKE NOISE

I. WITHOUT DISASSEMBLY

		NO RAMP NEEDED	
		ANY MILEAGE OF PADS OPERATION	00
ELIST	1	ASK CUSTOMER TO DESCRIBE THE NOISE IN AS MUCH DETAIL AS POSSIBLE	?
FULFIL THE WHOLE LIST	2	RETIGHTEN THE WHEELS TO THE SPECIFIED TORQUE AND FOLLOWING THE RECOMMENDED SEQUENCE	Nm
- THE \	3	CHECK THE TYRE PRESSURES ARE CORRECT	
FULFII	4	CHECK THE CONDITION OF THE WHEELS AND TYRES	
ŧ	5	ENSURE THE WHEELS AND TYRES ARE COMPATIBLE WITH THE CAR	
I	6	CHECK FOR STICK-ON/CLIP-ON BALANCE WEIGHTS	C C C G G
	7	CHECK THE CONDITION OF THE REAR BRAKE DISCS	
	8	TEST DRIVE	
	IF THI	F NOISE IS NOT ELIMINATED, GO TO SECTION II	

IF THE NOISE IS NOT ELIMINATED, GO TO SECTION IF



When fitting new brake pads, best practice is to also check the condition and thickness of the brake discs and replace these at the same time if required. Regular inspection of the brake system is recommended to ensure continued safe braking.



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		RAMP NEEDED		GIO
		IF BEDDING-IN IS NOT COMPLETED MILEAGE UP TO 500 KM		< 500 KM
	9	ASK THE CUSTOMER IF THEY CAN REMEMBER ANYTHING ELSE ABOUT THE ISSUE	WHE OCCL	N DOES THE SOUND JR?
і не мн	10	PAD AREA ISN'T FULLY BEDDED-IN S≠100%	YES	TELL THE CUSTOMER WHAT NEEDS TO BE DONE
			NO	NEXT STEP
₽ ↓	11		YES	REPLACE
	11	SIGNS OF OVERHEATING	NO	NEXT STEP
	12		YES	CLEAN
		ANY EXTERNAL CONTAMINANTS?	NO	REPLACE
	13	DIRECTIONAL PADS	YES	ENSURE THEY ARE CORRECTLY INSTALLED
	14	NON-DIRECTIONAL BRAKE PADS	SWAI SIDE	P LEFT AND RIGHT
	15	CALIPER SLIDE PIN BOLTS	MAN	TEN TO THE UFACTURER'S SIFICATION
	16	WHEELS	MAN	TEN TO THE UFACTURER'S SIFICATION
	17			THE CUSTOMER MAKE

IF THE NOISE IS NOT ELIMINATED, GO TO SECTION III



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ON-THE-GO



WHOLE LIST

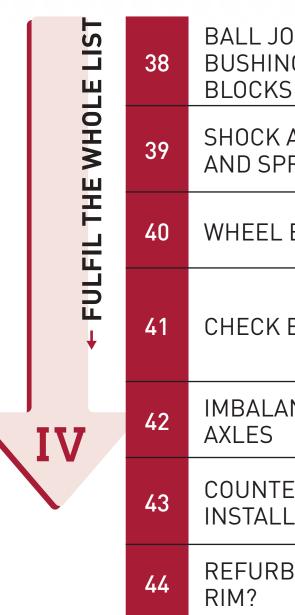
III



III. CALIPER, PADS, ROTOR

RAMP NEEDED		
IF BEDDING-IN IS COMPLETE POINT 9 TILL 37	ED START FROM	> 500 KM
ASK THE CUSTOMER IF THERE WAS ANYTHING THEY FORGOT TO MENTION?	?	HAVE THERE BEEN ANY REPAIRS, MALFUNCTIONS OF INCIDENTS?
BRAKE PAD MOUNTING AND DISC		CLEAN / BRUSH
DIRECTIONAL PADS		ENSURE THEY ARE CORRECTLY INSTALLED
CALIPER PINS		CLEAN AND GREASE
DISC CONDITION, MASS COMPARISON WITH OE DISC SPECIFICATION	MIN TH	MEASURE, GRIND OR REPLACE
SPRINGS, PLATES, BOLTS		CHECK AND REPLACE
WHEEL HUB		CHECK AND CLEAN
SAND, RUST OR SALT ON THE DISC		CHECK, BRUSH, GRIND OR REPLACE
OIL OR ANOTHER LIQUID CONTAMINANTS ON THE PAD		REPLACE
CHEMICALS FOR CLEANING WHEELS AND TYRES		REMOVE AND WASH DISC WITH HOT WATER, SOAP AND WIRE BRUSH
USE BRAKE DISKS AND BRAKE PADS OF THE SAME BRAND COMPATIBILITY		FERODO®
INACTIVE / INEFFECTIVE REAR BRAKES		REPAIR REPLACE
PAD SURFACE CRYSTALLIZATION	<u> </u>	PEEL OFF THE TOP LAYER WITH SANDPAPER ON A FLAT SURFACE OR REPLACE
CALIPER GEOMETRY		CHECK AND IF DAMAGED REPLACE CALIPER
NON-DIRECTIONAL PADS		SWAP LEFT AND RIGHT SIDE
ANTISQUEAL SHIM		CHECK INTEGRITY AND FIT
REMOVABLE ANTISQUEAL SHIM		CHECK AND IF NOT PRESENT
WHEN RE-INSTALLING THE WHEELS	Nm Nm	TIGHTEN WITH THE CORRECT TORQUE AND FOLLOWING THE RECOMMENDED SEQUENCE
TEST DRIVE		SIMULATE THE CONDITIONS WHEN THE NOISE OCCURS











	RAMP NEEDED				
IF NOISE PERSISTS AFTER GOING THROUGH ALL > 500 KM PREVIOUS STEPS CONTINUE WITH POINTS 38 TILL 44					
	BALL JOINTS, BUSHINGS AND SILENT BLOCKS		POLYURETHANE? DIAGNOSE, RE-TIGHTEN OR REPLACE		
	SHOCK ABSORBERS AND SPRINGS		DIAGNOSE AND REPLACE IF REQUIRED		
	WHEEL BEARINGS		WORN BEARING = BRAKE SQUEAL = REPLACE		
	CHECK BODY RIGIDITY		BRAKE NOISE IS LIKELY ON OLDER VEHICLES OR THOSE WITH COMPROMISED BODY STRUCTURES		
	IMBALANCE BETWEEN AXLES		RESTORE BALANCE		
	COUNTERFEIT PARTS INSTALLED	C FAKE	CHECK THAT THE COMPONENTS ARE GENUINE		
	REFURBISHED WHEEL		CAN CAUSE BRAKE NOISE		

0	INSPECTION
Guius	OPERATION
	BRAKE ROTOR / DISC
	BRAKE PADS
	WHEEL
	RAMP
	TEST DRIVE

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