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

RAMP NEEDED



I. WITHOUT DISASSEMBLY

	NO RAMP NEEDED	(P)
	ANY MILEAGE OF PADS OPERATION	00
1	ASK CUSTOMER TO DESCRIBE THE NOISE IN AS MUCH DETAIL AS POSSIBLE	?
2	RETIGHTEN THE WHEELS TO THE SPECIFIED TORQUE AND FOLLOWING THE RECOMMENDED SEQUENCE	Nm
3	CHECK THE TYRE PRESSURES ARE CORRECT	
4	CHECK THE CONDITION OF THE WHEELS AND TYRES	
5	ENSURE THE WHEELS AND TYRES ARE COMPATIBLE WITH THE CAR	+
6	CHECK FOR STICK-ON/CLIP-ON BALANCE WEIGHTS	© g
7	CHECK THE CONDITION OF THE REAR BRAKE DISCS	
8	TEST DRIVE	

IF THE NOISE IS NOT ELIMINATED, GO TO SECTION II





DON'T LUBRICATE WHEEL BOLTS AND STUDS.



ALWAYS OFFER TO CUSTOMER BEDDING-IN MEMO.

II. BRAKES AND BEDDING-IN

				To		
			IF BEDDING-IN IS NOT COMPL UP TO 500 KM	LETED MILEAGE		< 500 KM
	THE WHOLE LIST	9	ASK THE CUSTOMER IF THEY CAN REMEMBER ANYTHING ELSE ABOUT THE ISSUE	?	WHE 0CCl	N DOES THE SOUND JR?
← FULFIL THE WH	THE WH	10	PAD AREA ISN'T FULLY BEDDED-IN S≠100%		YES	TELL THE CUSTOMER WHAT NEEDS TO BE DONE
				NO	NEXT STEP	
	+ F		CIONIC OF OVERLIEATING	YES	REPLACE	
	TT /	11	SIGNS OF OVERHEATING		NO	NEXT STEP
		10	ARE THERE		YES	CLEAN
		12	ANY EXTERNAL CONTAMINANTS?	NO	REPLACE	
		13	DIRECTIONAL PADS		YES	ENSURE THEY ARE CORRECTLY INSTALLED
		14	NON-DIRECTIONAL BRAKE PADS		SWA SIDE	P LEFT AND RIGHT
		15	CALIPER SLIDE PIN BOLTS		MAN	TEN TO THE UFACTURER'S CIFICATION
		16	WHEELS	Nm	MAN	TEN TO THE UFACTURER'S CIFICATION
		17	TEST DRIVE			THE CUSTOMER MAKE ST DRIVE
		IF TH	E NOISE IS NOT ELIMINATED, (30 TO SECTION III		

III. CALIPER, PADS, ROTOR

			RAMP NEEDED		
			IF BEDDING-IN IS COMPLETE POINT 9 TILL 37	D START FROM	> 500 KM
	FULFIL THE WHOLE LIST	19	ASK THE CUSTOMER IF THERE WAS ANYTHING THEY FORGOT TO MENTION?	?	HAVE THERE BEEN ANY REPAIRS, MALFUNCTIONS OR INCIDENTS?
	THE W	20	BRAKE PAD MOUNTING AND DISC		CLEAN / BRUSH
l	← FULFIL	21	DIRECTIONAL PADS		ENSURE THEY ARE CORRECTLY INSTALLED
		22	CALIPER PINS		CLEAN AND GREASE
J	III	23	DISC CONDITION, MASS COMPARISON WITH OE DISC SPECIFICATION	MIN TH	MEASURE, GRIND OR REPLACE
		24	SPRINGS, PLATES, BOLTS		CHECK AND REPLACE
		25	WHEEL HUB		CHECK AND CLEAN
		26	SAND, RUST OR SALT ON THE DISC		CHECK, BRUSH, GRIND OR REPLACE
		27	OIL OR ANOTHER LIQUID CONTAMINANTS ON THE PAD		REPLACE
		28	CHEMICALS FOR CLEANING WHEELS AND TYRES		REMOVE AND WASH DISC WITH HOT WATER, SOAP AND WIRE BRUSH
		29	USE BRAKE DISKS AND BRAKE PADS OF THE SAME BRAND COMPATIBILITY		FERODO
		30	INACTIVE / INEFFECTIVE REAR BRAKES		REPAIR REPLACE
		31	PAD SURFACE CRYSTALLIZATION	<u> </u>	PEEL OFF THE TOP LAYER WITH SANDPAPER ON A FLAT SURFACE OR REPLACE
		32	CALIPER GEOMETRY		CHECK AND IF DAMAGED REPLACE CALIPER
		33	NON-DIRECTIONAL PADS		SWAP LEFT AND RIGHT SIDE
		34	ANTISQUEAL SHIM		CHECK INTEGRITY AND FIT
		35	REMOVABLE ANTISQUEAL SHIM		CHECK AND IF NOT PRESENT INSTALL
		36	WHEN RE-INSTALLING THE WHEELS	Nm	TIGHTEN WITH THE CORRECT TORQUE AND FOLLOWING THE RECOMMENDED SEQUENCE
		37	TEST DRIVE		SIMULATE THE CONDITIONS WHEN THE NOISE OCCURS

IV. CHASSIS

RAMP NEEDED IF NOISE PERSISTS AFTER GOING THROUGH ALL > 500 KM PREVIOUS STEPS CONTINUE WITH POINTS 38 TILL 44

DIAGNOSE AND REPLACE IF WORN BEARING = BRAKE WHEEL BEARINGS

SQUEAL = REPLACE BRAKE NOISE IS LIKELY ON OLDER VEHICLES OR THOSE CHECK BODY RIGIDITY WITH COMPROMISED BODY

STRUCTURES IMBALANCE BETWEEN RESTORE BALANCE

CHECK THAT THE COUNTERFEIT PARTS **COMPONENTS ARE INSTALLED** GENUINE

REFURBISHED WHEEL CAN CAUSE BRAKE NOISE

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

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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ON-THE-GO



ONLINE



IF THE NOISE IS NOT ELIMINATED, GO TO SECTION IV





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