

20,000 km or 12 Months Service Schedule CNG System - Dual Fuel Vehicle - N-series (4HK1) and F-series (4HK1 / 6HK1 / 6UZ1)



- 1. This Service Schedule must be used in addition to the Standard Service Schedule to constitute a complete vehicle service.

 2. This Service Schedule will have preference over the Owner's Manual and Warranty & Service Guide (Refer to updated date).

Consult the Owner/Customer pri	ior to any additional work being ca	rried out as an additional cost w	vill be charged for items	not covered under warranty.

Job Card No.	:		Date :				Mod	lel : .										ı
Customer Na	me:		VIN:.				KM	Read	ling:									
Service Advis	sor :		Autho	risation No:			Tec	hnici	an (F	rint)):							
I = Inspection-	after in	spection clean and correct, or replace as necessary		SERVICE INTERVAL every KMs (x1000)	20	40	60	80	100	120	140	160	180	200	220	240		
R = Replace	A = A	djust T = Torque		or MONTHS, whichever occurs first	12	24	36	48	60	72	84	96	108	120	132	144		
L = Lubricate	C = Cl	ean		Labour hrs.	1	1	1	1	1	1	1	1	1	1	1	1	ок	NOT
Z = Zubilouto	0 - 0.													<u> </u>				OK
	1	Gas cylinder bracket		ng and bracket	-		-	-	ı	-		ı				-		
		Bolts of gas cylinder bracket		ightness	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T		
		Rubber of gas cylinder bracket		present and not worn	- 1	-	- 1	-	- 1	-	- 1	- 1	- 1	- 1	- 1	- 1		
		CNG cylinder/s	Check	or rust damages - revalidate if damaged	- 1	-1	- 1	-	- 1	-	-1	- 1	- 1	- 1	- 1	- 1		
	5	CNG cylinder valve/s	Check	for leaks / damages	- 1	_	-	-	- 1	-	- 1	- 1	- 1	- 1	_	_		
	6	High pressure gas pipe / leaks	Check	itment / damage / leaks	- 1	- 1	-	-	- 1	-	- 1		- 1	-	- 1	-		
	7	High pressure filter	Replac	e filter when more than 5ml oil is present	- 1	R	- 1	R	- 1	R	- 1	R	1	R		R		
	8	Low pressure filter	Replac	e filter	R	R	R	R	R	R	R	R	R	R	R	R		
	9	Temperature sensor on regulator	Check	electrical connection / leaks	- 1		- 1	- 1	- 1	-	-1	- 1	- 1	- 1	-	-1		
	10	Valve solenoid on gas cylinder wiring	Check	electrical connection	Т		Т		Т		Τ	ı	Т	Т	Т	-		
	11	Cylinder cover condition	Check	or installation / damages	П			-	1		Т	П	Т					
	12	Thermocouple on exhaust		itment in exhaust / electrical connection		П	ı		1		1	1			1	1		
	13	Gas regulator	Check	fitment / damage / leaks	Ť	Ť	i	i	i	Ť	Ì	i	Ť	Ť	i	i		
		Bracket of gas regulator		itment / damage	÷	Ė	Ħ	Ė	Ė	Ė	Ė	Ħ	ΙĖ	ΤĖ	Ħ	Ė		
		Wiring of gas regulator		electrical connection	Ť	$\dot{}$	i i		i	Ť	Ť	Ť	Ť	Ħ	i			
	16	Pressure switch on gas regulator		electrical connection / leaks	÷	Ť	Ė	Ė	Ė	Ė	Ė	Ė	ΤĖ	ΤĖ	Ť	÷		
	17	Fuse on supply to 24-12V converter (located at battery			÷	Ť	Ė	Ė	Ė	Ė	Ė	Ė	ΤĖ	ΤĖ	Ť	÷		
	18	Bracket of ECU		itment / damage	÷	Ė	Ė	÷	i	Ė	Ė	Ė	ΙĖ	Ė	i	Ė		
		Wiring of ECU		electrical connection	÷	Η	Ė	÷	i	÷	Ė	Ė	ΙĖ	ΗĖ	i	i		
	20	Injector rail/injectors		nstallation / electrical connection	÷	÷	i	·	÷	÷	i	i	i i	l i	i	i		
		Map sensor		electrical connection / leaks	÷	H	÷	÷	÷	÷	÷	÷	i	H	÷	÷		
	22	Bracket of Injector		itment / damage	÷	H	÷	÷	÷	÷	÷	÷	i	H	÷	÷		
		Wiring of injectors		electrical connection	+	H	H	H	H	H	H	H	H	H	H	H		
		Leaks on injector pipes		for leaks	÷	H	H	÷	H	H	H	H	H	H	H	H		
				ECU for DTCs	÷	H	H	H	÷	H	H	H	H	H	H	\vdash		
	∠5	Vehicle gas system	CHECK	LOO 101 D103				<u> </u>	_ '		_ '		1 1					

APPLICABLE FOR SERVICES FROM 240 000 kms to 480 000 kms

I = Inspection-a	after in	spection clean and correct, or replace as necessary		SERVICE INTERVAL every KMs (x1000)	260	280	300	320	340	360	380	400	420	440	460	480		
R = Replace	A = A	djust T = Torque		or MONTHS, whichever occurs first	12	24	36	48	60	72	84	96	108	120	132	144		
L = Lubricate	C = C	lean		Labour hrs.	1	1	1	1	1	1	1	1	1	1	1	1	ок	NO OI
	1	Gas cylinder bracket	Mountir	g and bracket	- 1	ı	- 1	-	Ι	ı	ı	Т	ı	Т	1	ı		
	2	Bolts of gas cylinder bracket	Check t	ightness	I/T													
	3	Rubber of gas cylinder bracket	Confirm	present and not worn			_			-	ı	П	- 1	- 1	1	Ι		
	4	CNG cylinder/s	Check f	or rust damages - revalidate if damaged	1	ı	- 1	-	1	1	1	-	1	1	1	1		
	5	CNG cylinder valve/s	Check f	or leaks / damages	I	I	-		-	1	ı	1	-	- 1	1	-		
	6	High pressure gas pipe / leaks	Check f	itment / damage / leaks	- 1	I	- 1	- 1	Ι	1	ı	1	- 1	- 1	ı	1		
	7	High pressure filter	Replac	e filter when more than 5ml oil is present	- 1	R	- 1	R	- 1	R	1	R	- 1	R	- [R		
	8	Low pressure filter	Replac	e filter	R	R	R	R	R	R	R	R	R	R	R	R		
	9	Temperature sensor on regulator	Check 6	electrical connection / leaks	- 1	ı	- 1		-	-	ı	-	- 1	- 1	- 1	- 1		Г
	10	Valve solenoid on gas cylinder wiring	Check electrical connection		- 1	- 1	- 1	- 1	1	1	- 1	-	- 1	-1	-	- 1		Ī
	11	Cylinder cover condition	Check f	or installation / damages	- 1	- 1	- 1	- 1	1	1	- 1	-	- 1	-1	-	- 1		Ī
	12	Thermocouple on exhaust	Check f	itment in exhaust / electrical connection	- 1	- 1	- 1	- 1	1	1	- 1	-	- 1	-1	-	- 1		
	13	Gas regulator	Check f	itment / damage / leaks		- 1			-	_	-			- 1				
	14	Bracket of gas regulator	Check f	itment / damage	- 1	- 1	- 1	- 1	1	1	- 1	-	- 1	-1	-	- 1		Ī
	15	Wiring of gas regulator	Check 6	electrical connection	- 1	- 1	- 1	- 1	1	1	- 1	-	- 1	-1	-	- 1		Ī
	16	Pressure switch on gas regulator	Check 6	electrical connection / leaks	- 1	_	- 1	- 1	_	-	1	-	-	- 1	-	_		
	17	Fuse on supply to 24-12V converter (located at battery	Check r	not blown	_		_		-	_	-		-	- 1	-			
	18	Bracket of ECU	Check f	itment / damage	_	-	_		-	_	-	- 1	-	- 1	- 1	_		
	19	Wiring of ECU	Check 6	electrical connection	_	-	_		-	_	-	- 1	-	- 1	- 1	_		
	20	Injector rail/injectors	Check i	nstallation / electrical connection	_	-	_		-	_	-	- 1	-	- 1	- 1	_		
	21	Map sensor	Check 6	electrical connection / leaks	I	Ī	Ī	Ī	Ī	I	ı	Ī	I	Ī	Ī	Ī		
	22	Bracket of Injector		itment / damage	I	I	Ι	I	Ι	I	I	I		I	I	I		
	23	Wiring of injectors	Check 6	electrical connection	I	Ī	Ī	Ī	Ī	I	ı	Ī	I	Ī	Ī	Ī		
	24	Leaks on injector pipes		or leaks	1	Π	I	I	Ι	1	ı	I	-	-	-	I		Г
	25	Vehicle gas system	Check E	ECU for DTCs														

Date Customer Signature **Technician Signature**

June 2024 Document No. CNG Dual Fuel / 20

Updated.

I was informed of the service cost & additional items that needs attention.

I hereby confirm that all items have been checked and and rectifed where required.



20,000 km or 12 Months Service Schedule CNG System - Dual Fuel Vehicle - N-series (4HK1) and F-series (4HK1 / 6HK1 / 6UZ1)



PLEASE NOTE:

- This Service Schedule must be used in addition to the Standard Service Schedule to constitute a complete vehicle service.
 This Service Schedule will have preference over the Owner's Manual and Warranty & Service Guide (Refer to updated date).

L Consult the Owner/Customer prior to any additional work being carried out as an additional cost will be charged for items not cover	

Job Card No.:			Date :				Mod	lel : .										
Customer Nar	me:		VIN:.				KM	Read	ling:									
Service Advis	or :		Autho	risation No:			Tec	hnici	an (I	Print):							
I = Inspection-	after in	spection clean and correct, or replace as necessary		SERVICE INTERVAL every KMs (x1000)	500	520	540	560	580	600	620	640	660	680	700	720		
R = Replace	A = A	djust T = Torque		or MONTHS, whichever occurs first	12	24	36	48	60	72	84	96	108	120	132	144		
L = Lubricate	C = Cl	ean		Labour hrs.	1	1	1	1	1	1	1	1	1	1	1	1	ок	NOT OK
	1	Gas cylinder bracket	Mountir	ng and bracket	1							T	T					
				ightness	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T	I/T		
		Rubber of gas cylinder bracket		present and not worn	1	1	1	Ť.	T T	1	1	1	ı,,	Ť	1	T.		
		<u> </u>		for rust damages - revalidate if damaged	Ť	Ť	i	Ī	ΙÌ	Ħ	ΙÌ	Ħ	Ħ	Ħ	ΙÌ	ΙÌ		
				or leaks / damages	Ť	Ť	i	Ī	ΙÌ	Ħ	ΙÌ	Ħ	Ħ	Ħ	ΙÌ	ΙÌ		
		,		itment / damage / leaks	Ť	Ť	Ť	İ	ΙÌ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	ΙÌ		
	7	High pressure filter	Replac	e filter when more than 5ml oil is present	- 1	R	_	R	1	R	1	R		R	- 1	R		
	8	Low pressure filter	Replac	e filter	R	R	R	R	R	R	R	R	R	R	R	R		
	9	Temperature sensor on regulator	Check	electrical connection / leaks	Т	Т	Т		1		Т	П	Т			1		
	10	Valve solenoid on gas cylinder wiring	Check	electrical connection	Т			Т	П	П	П	Т	Т	П	П	Т		
	11	Cylinder cover condition	Check	or installation / damages	-	-	-	-	ı	Т	ı	Т	Τ	Т	Т	Т		
	12	Thermocouple on exhaust	Check	itment in exhaust / electrical connection	-	-	-	-	ı	Т	ı	Т	Τ	Т	Т	Т		
	13	Gas regulator	Check 1	itment / damage / leaks	-	-	-	-	ı	Т	ı	Т	Τ	Т	Т	Т		
	14	Bracket of gas regulator	Check 1	itment / damage	ı	-	ı	ı	I	ı	ı	Т	Т	ı	ı	Т		
	15	Wiring of gas regulator	Check	electrical connection	ı	-	ı	ı	I	ı	ı	Т	Т	ı	ı	Т		
	16	Pressure switch on gas regulator	Check	electrical connection / leaks	-	-	1	-	1	П	1	П	Т	П	П	1		
	17	Fuse on supply to 24-12V converter (located at battery	Check	not blown	-	-	1	-	1	П	1	П	Т	П	П	1		
	18	Bracket of ECU	Check t	itment / damage	-	-	1	-	1	П	1	П	Т	П	П	1		
	19	Wiring of ECU	Check	electrical connection	ı	-	ı	ı	I	ı	ı	Т	Т	ı	ı	Т		
	20	Injector rail/injectors	Check i	nstallation / electrical connection	-	-	1	-	1	П	1	П	Т	П	П	1		
	21	Map sensor	Check	electrical connection / leaks	-	-	-		-	-	-	П		-	-	-		
	22	Bracket of Injector	Check t	itment / damage	ı	-	ı	ı	ı	ı	ı	П	Ι	ı	ı	- 1		
	23	Wiring of injectors	Check	electrical connection	-	- 1	ı	ı	ı	ı	ı	П	Ι	ı	Ι	ı		
	24	Leaks on injector pipes	Check t	or leaks	ı	- 1	1	1	- 1	-	- 1	- 1	- 1	-	- 1	- 1		
	25	Vehicle gas system	Check	ECU for DTCs	-	-	1	-	- 1	1	- 1	П	1	-	- 1	-		

APPLICABLE FOR SERVICES FROM 740 000 kms to 960 000 kms

I = Inspection-after in	nspection clean and correct, or replace as necessary		SERVICE INTERVAL every KMs (x1000)	740	760	780	800	820	840	860	880	900	920	940	960		
R = Replace A = A	djust T = Torque		or MONTHS, whichever occurs first	12	24	36	48	60	72	84	96	108	120	132	144		
L = Lubricate C = C	lean		Labour hrs.	1	1	1	1	1	1	1	1	1	1	1	1	ок	NOT OK
1	Gas cylinder bracket	Mountin	ng and bracket	ı	-	1	-	-	ı	-	I	ı	-	1	-		
2	Bolts of gas cylinder bracket	Check t	ightness	I/T	i												
3	Rubber of gas cylinder bracket	Confirm	present and not worn	- 1		-	ı	-	Ι	Ι	Ι	-	- 1	Ι	I		
4	CNG cylinder/s	Check f	or rust damages - revalidate if damaged	- 1		-	ı	-	Ι	Ι	Ι	-	- 1	Ι	I		
5	CNG cylinder valve/s	Check f	or leaks / damages	ı	-	ı	ı	1	-	Ι	Ι	-	- 1	-	I		
6	High pressure gas pipe / leaks	Check f	itment / damage / leaks	-	-	- 1	- 1	-	- 1	-	- 1	- 1	- 1	- 1	- 1		
7	High pressure filter	Replac	e filter when more than 5ml oil is present	- 1	R	- 1	R	-	R	- 1	R	- 1	R	- 1	R		
8	Low pressure filter	Replac	e filter	R	R	R	R	R	R	R	R	R	R	R	R		
9	Temperature sensor on regulator	Check 6	electrical connection / leaks	- 1	-	- 1	ı	-	- 1	-	- 1	- 1	- 1	- 1	- 1		
10	Valve solenoid on gas cylinder wiring	Check 6	electrical connection	- 1	-1	- 1	- 1	1	- 1	-	- 1	-	-1	-	-1	i	
11	Cylinder cover condition	Check f	or installation / damages	-	-	- 1	- 1	-	- 1	-	- 1	- 1	- 1	- 1	- 1		
12	Thermocouple on exhaust	Check f	itment in exhaust / electrical connection	- 1		-	ı	-	Ι	Ι	Ι	Ι	- 1	Ι	I		
13	Gas regulator	Check f	itment / damage / leaks	ı	-	ı	ı	1	-	Ι	Ι	-	1	-	I		
14	Bracket of gas regulator	Check f	itment / damage	- 1	-1	- 1	- 1	1	- 1	-	- 1	-	-1	-	-1	i	
15	Wiring of gas regulator	Check 6	electrical connection	- 1		-	ı	-	Ι	Ι	Ι	Ι	- 1	Ι	I		
16	Pressure switch on gas regulator	Check 6	electrical connection / leaks	- 1		-	ı	-	Ι	Ι	Ι	Ι	- 1	Ι	I		
17	Fuse on supply to 24-12V converter (located at battery	Check r	not blown	- 1		-	ı	-	Ι	Ι	Ι	Ι	- 1	Ι	I		
18	Bracket of ECU	Check f	itment / damage	- 1	-1	- 1	- 1	1	- 1	-	- 1	-	-1	-	-1	i	
19	Wiring of ECU	Check 6	electrical connection	- 1	-1	- 1	- 1	1	- 1	-	- 1	-	-1	-	-1	i	
20	Injector rail/injectors	Check i	nstallation / electrical connection	- 1	- 1	1	- 1	1	- 1	- 1	- 1	- 1	- 1	- 1	I		
21	Map sensor	Check 6	electrical connection / leaks	- 1	- 1	1	- 1	1	- 1	- 1	- 1	- 1	- 1	- 1	I		
22	Bracket of Injector	Check f	itment / damage		L		1	1			L		L		1		
23	Wiring of injectors	Check 6	electrical connection	- 1	- 1	1	- 1	1	- 1	- 1	- 1	- 1	- 1	- 1	I		
24	Leaks on injector pipes	Check f	or leaks	- 1	- 1	1	- 1	1	- 1	- 1	- 1	- 1	- 1	- 1	I		
25	Vehicle gas system	Check I	ECU for DTCs	-	-	-	- 1	-	-	-		- 1	-	-	- 1		

Date Customer Signature **Technician Signature**

June 2024 Document No. CNG Dual Fuel / 20

Updated.

I hereby confirm that all items have been checked and and rectifed where required.