



**PANDUAN KADAR HARGA
ALAT GANTI DAN KOMPONEN
BAGI PEMBAIKAN SERTA SERVIS KENDERAAN
EDISI PERTAMA TAHUN 2023**





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Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini hanya untuk kegunaan dalaman Cawangan Kejuruteraan Mekanikal Jabatan Kerja Raya sahaja.



KATA-KATA PENGHARGAAN

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Jabatan Kerja Raya Malaysia

Salam sejahtera dan Salam Malaysia Madani,

Terlebih dahulu saya ingin merakamkan setinggi-setinggi penghargaan kepada semua pihak yang telah menyumbang sama ada secara langsung mahu pun secara tidak langsung dalam menghasilkan Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 bagi Jabatan ini. Sepertimana yang diketahui secara umumnya, Cawangan Kejuruteraan Mekanikal (CKM) Jabatan Kerja Raya (JKR) Malaysia melalui Bahagian Perkhidmatan Mekanikal (BPMek) dan CKM Negeri-negeri merupakan satu entiti kerajaan yang memberi perkhidmatan penilaian, penyenggaraan dan pembaikan kenderaan-kenderaan bagi semua Jabatan dan Kementerian di Malaysia. Selain itu, CKM JKR Malaysia turut memainkan peranan sebagai pusat khidmat nasihat dan rundingan teknikal berkaitan pengurusan kenderaan kepada agensi kerajaan dan badan berkanun.

Penerbitan Buku Panduan Kadar Harga ini adalah selaras dengan objektif CKM JKR Malaysia untuk melaksanakan kerja penyenggaraan sistem mekanikal, kenderaan, loji pembinaan jalan dan loji kuari kepunyaan kerajaan yang menepati kualiti, masa dan kos yang ditetapkan. Buku Panduan Kadar Harga ini disasarkan untuk membantu CKM sebagai panduan untuk mendapatkan kadar harga alat ganti, komponen dan servis kenderaan Jabatan atau pihak pelanggan luar serta bagi mengawal kos peruntukan pembaikan melalui dengan perbandingan harga pasaran. Buku Panduan Kadar Harga ini juga telah diolah dengan mengambil kira kepelbagaian jenama dan jenis kenderaan serta faktor lokaliti supaya ianya sesuai untuk digunapakai. Akhir sekali, adalah menjadi harapan agar Buku Panduan Kadar Harga ini akan dapat dimanfaatkan dengan sebaik mungkin dalam menjayakan komitmen Jabatan ke arah penggunaan sumber secara ekonomik.

Sekian, terima kasih.



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Assalamualaikum w.b.t.

Salam sejahtera dan Salam Malaysia Madani,

Kerajaan amat komited terhadap penggunaan sumber secara cekap dan berkesan. Jabatan Kerja Raya (JKR) melalui Cawangan Kejuruteraan Mekanikal (CKM) sebagai peneraju sektor automotif negara juga telah mengambil langkah menyokong komitmen Kerajaan tersebut melalui pelbagai inisiatif dan di antaranya adalah pembangunan jadual kadar ini. Pewujudan dan pemakaian buku Panduan Kadar Harga ini secara sistematik dijangka akan dapat memastikan penggunaan peruntukan bagi pembaikan dan servis kenderaan jabatan menjadi lebih cekap dan telus.

Akhir kata, izinkan saya untuk mengucapkan syabas kepada pasukan Ahli Jawatankuasa, dengan penyelarasan oleh Bahagian Perkhidmatan Mekanikal (BPMek) dan CKM yang telah berjaya menghasilkan buku Panduan Kadar Harga ini sebagai garis panduan buat semua peringkat pengguna. Tidak dilupakan juga semua pihak yang telah turut memberikan sumbangan sama ada secara langsung atau tidak langsung. Adalah diharapkan dengan terbitnya garis panduan ini, pengurusan kenderaan yang cekap dan sistematik dapat diwujudkan dan dilaksanakan secara meluas bagi kenderaan-kenderaan Kerajaan.

Sekian, terima kasih.



KATA-KATA PENGANTAR

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Buku Panduan Kadar Harga ini merupakan garis panduan dihasilkan oleh Cawangan Kejuruteraan Mekanikal (CKM), Jabatan Kerja Raya Malaysia (JKR) bagi membantu agensi ini melaksanakan pembaikan dan penyenggaraan kenderaan jabatan dalam usaha mengurus peruntukan dengan lebih sistematik dan efektif. Skop garis panduan ini adalah lebih kepada aspek pengurusan teknikal berbanding berkaitan harga alat ganti dan servis bagi beberapa jenama kenderaan jabatan yang digunapakai oleh pihak Kerajaan. Adalah diharap agar garis panduan ini digunapakai secara meluas bagi menjamin penggunaan peruntukan pembaikan dan penyenggaraan kenderaan yang rasional dan selaras dengan dasar kewangan negara.

Sekian, terima kasih.



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1.0 OBJEKTIF

- 1.1 Menyediakan garis panduan kadar harga bagi alat ganti dan komponen bagi pembaikan dan servis kenderaan Kerajaan.
- 1.2 Menjadikan sebagai dokumen rujukan dalam menyediakan anggaran harga pembaikan kerosakan atau kemalangan beserta servis kenderaan Jabatan untuk semua jenis perolehan melalui sistem e-Perolehan (eP).

2.0 PANDUAN PENGGUNAAN

- 2.1 Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini hanya mengandungi empat jenis buah kenderaan sahaja sebagai rujukan semasa iaitu Toyota Fortuner, Nissan XTrail, Mitsubishi Pajero dan Inokom Santa-Fe.
- 2.2 Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini hendaklah digunakan untuk perkiraan kos bagi bekalan alat ganti serta perkhidmatan yang dijalankan secara lantikan terus dan sebutharga.
- 2.3 Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini digunakan untuk pembekalan alat ganti, pembaikan kerosakan atau kemalangan, dan servis kenderaan di kawasan Wilayah Persekutuan Kuala Lumpur dan adalah tertakluk kepada faktor lokaliti di Para 3, sekiranya kerja-kerja dijalankan di kawasan lain.
- 2.4 Harga telah mengambil kira 20%-30% harga alat ganti yang berkualiti, upah, pengangkutan, keuntungan, tempoh jaminan, pengujian dan pentauliahan serta jaminan dalam tempoh kecacatan.
- 2.5 Penggunaan Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini hendaklah mematuhi Surat Pekeliling Perbendaharaan semasa dan terkini.
- 2.6 Sekiranya terdapat sebarang masalah mengenai penggunaan Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi Pertama Tahun 2023 ini, ianya hendaklah dirujuk kepada Pengarah Kanan Cawangan Kejuruteraan Mekanikal, Ibu Pejabat JKR Malaysia, Kuala Lumpur.

3.0 FAKTOR LOKALITI

Faktor lokaliti adalah satu Faktor Pendarab (*Multiplying Factor*) yang digunakan untuk pelarasan anggaran kadar harga bagi mengambil kira perbezaan lokaliti di mana kerja-kerja dilaksanakan.

Berikut adalah jadual faktor lokaliti kategori kawasan yang telah ditetapkan:

Jadual 1: Faktor Lokaliti

BIL	NEGERI	FAKTOR PENDARAB
i.	Selangor	1.0
	Wilayah Persekutuan Kuala Lumpur	
	Wilayah Persekutuan Putrajaya	
	Negeri Sembilan	
	Melaka	
	Johor	
ii.	Perlis	1.1
	Kedah	
	Pulau Pinang	
iii.	Perak	1.15
	Pahang	
	Terengganu	
	Kelantan	
iv.	Sabah	1.3
	Sarawak	
	Wilayah Persekutuan Labuan	

Nota:

Faktor-faktor tersebut diperolehi melalui kaedah-kaedah statistik dengan menggunakan Wilayah Persekutuan Kuala Lumpur sebagai lokaliti asas.

Pengemaskinian faktor tersebut akan dibuat dari semasa ke semasa.

4.0 PANDUAN INFORMASI – TOYOTA FORTUNER

4.1 Gambar Kenderaan Toyota Fortuner



Gambar 1 : Pandangan Hadapan Kenderaan Toyota Fortuner

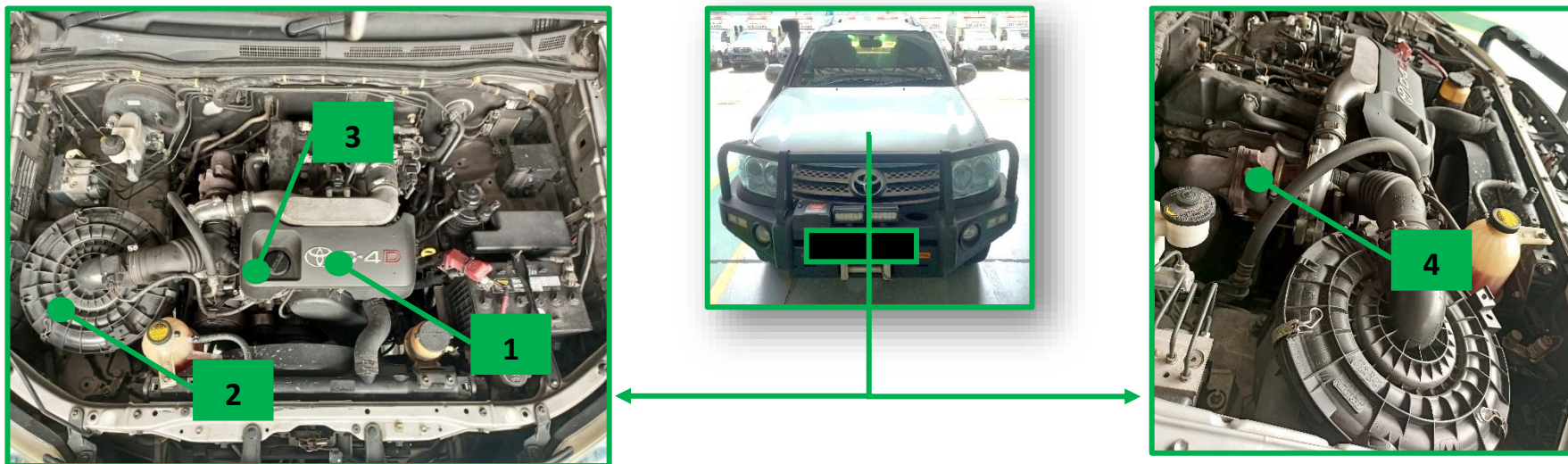


Gambar 2 : Pandangan Sisi Kenderaan Toyota Fortuner

Jadual 2 : Teknikal Data Toyota Fortuner

Bil	Perkara	Data Teknikal
1	Jenis Kenderaan	Jip
2	Tahun	2008 - 2010
3	Jenama dan Model	Toyota Fortuner
4	Keupayaan Enjin	2.5L
5	Bahan api	Diesel
6	Tranmisi	Automatik

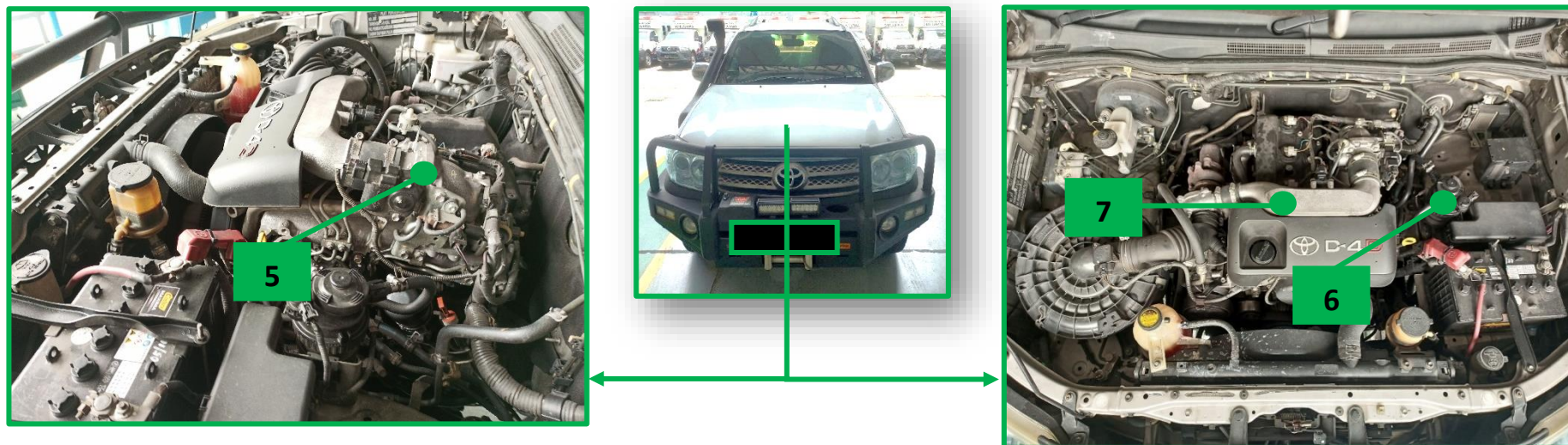
4.2 Gambarajah Sistem Enjin Toyota Fortuner



Gambarajah 1 : Komponen Bagi Sistem Enjin Toyota Fortuner (1)

Jadual 3 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Engine Assembly
2	Air Filter assembly
3	Engine Oil Cap
4	Turbo Charger

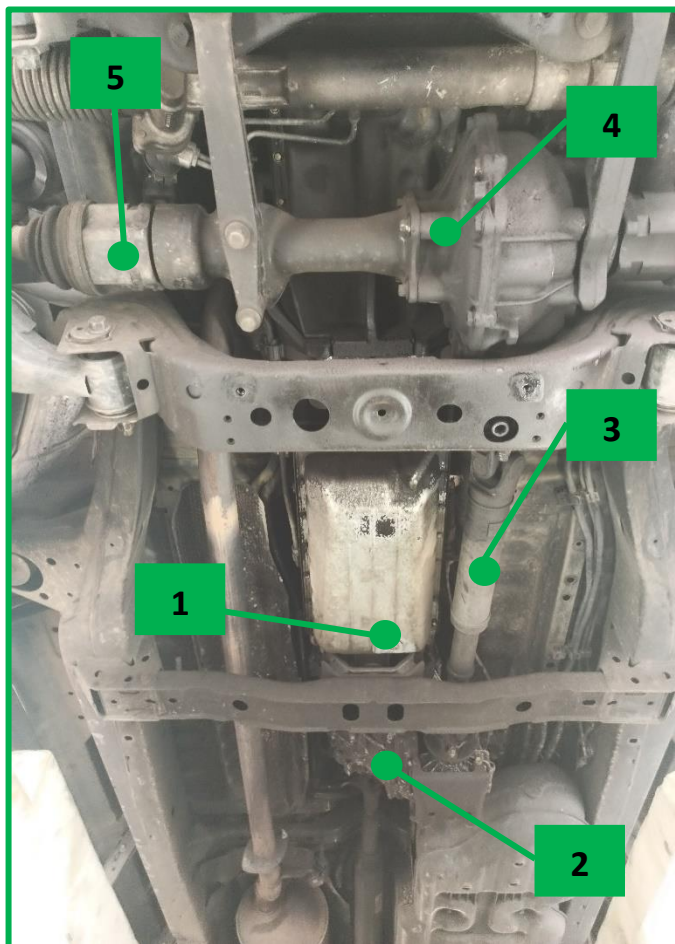


Gambarajah 2 : Komponen Bagi Sistem Enjin Toyota Fortuner (2)

Jadual 4 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
5	Throttle Body
6	Fuel Filter Primer Pump
7	Intake Manifold

4.3 Gambarajah Sistem Tranmisi Toyota Fortuner



Gambarajah 3 : Komponen Bagi Sistem Tranmisi Toyota Fortuner (1)

Jadual 5 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Gearbox
2	Transfer Box
3	FR Propeller Shaft
4	FR Differential
5	Drive Shaft



Gambarajah 4 : Komponen Bagi Sistem Tranmisi Toyota Fortuner (2)

Jadual 6 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
6	RR Propeller Shaft
7	RR Differential
8	Gear Shift Knob
9	Gear 4WD Shift Knob

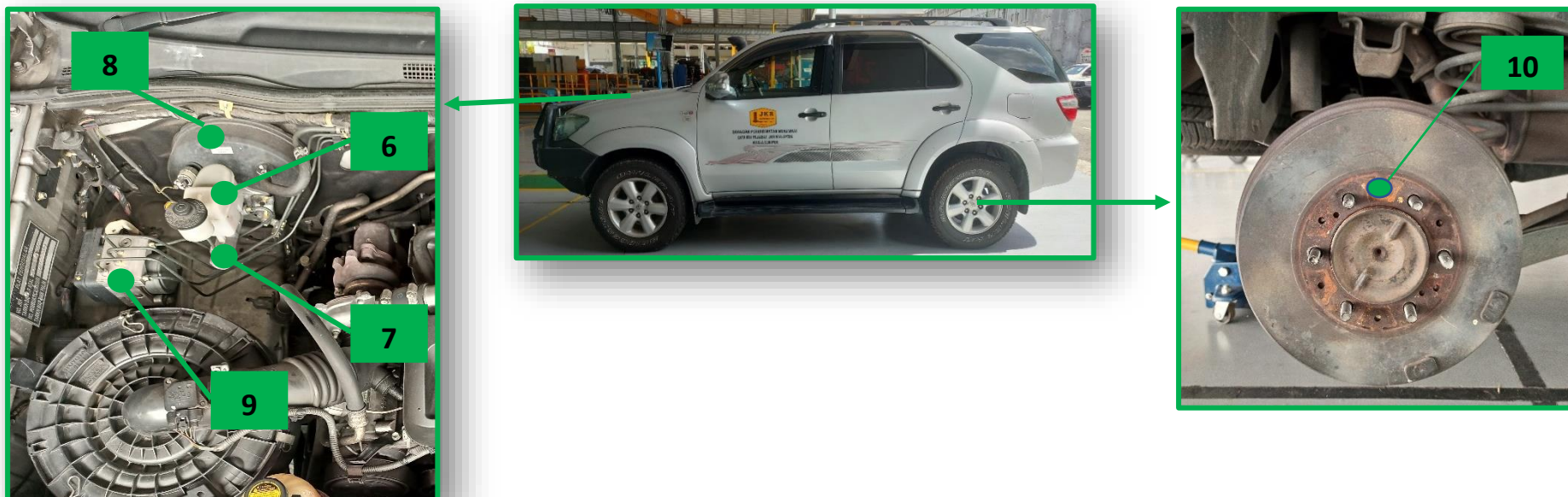
4.4 Gambarajah Sistem Brek Toyota Fortuner



Gambarajah 5 : Komponen Bagi Sistem Brek Toyota Fortuner (1)

Jadual 7 : Deskripsi Sebahagian Komponen Umum Sistem Brek Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Rotor Brake Disc
2	Brake Pump (Calliper)
3	Brake Pad
4	Brake Hose Pipe
5	Brake Sensor

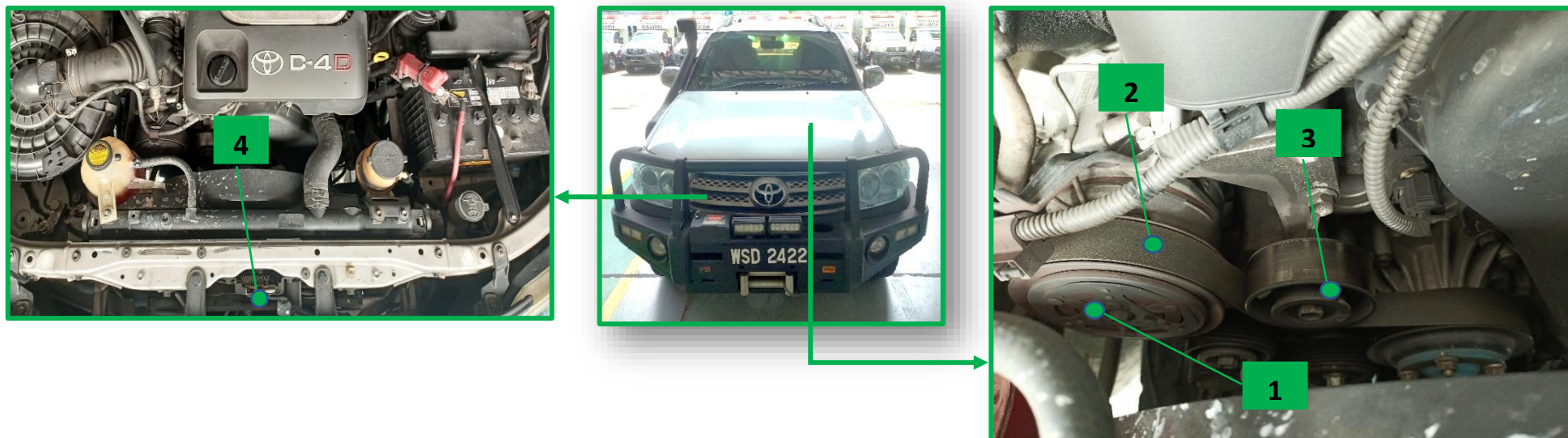


Gambarajah 6 : Komponen Bagi Sistem Brek Toyota Fortuner (2)

Jadual 8 : Deskripsi Sebahagian Komponen Umum Sistem Brek Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
6	Brake Reservoir Tank
7	Brake Master Pump
8	Brake Booster / Brake Servo Assembly
9	ABS System
10	Brake Drum

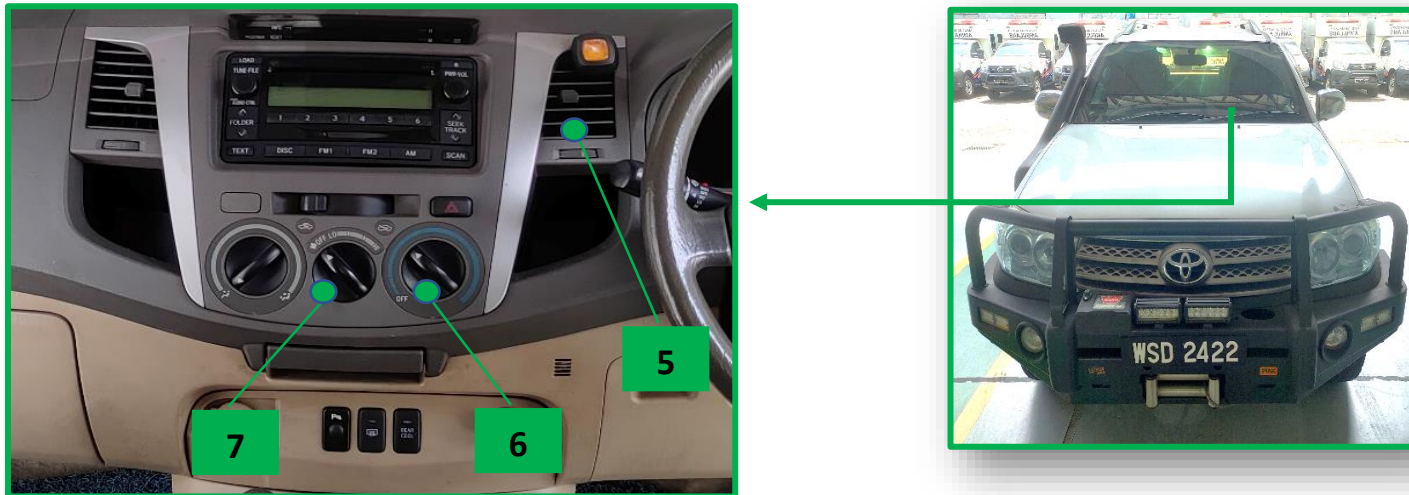
4.5 Gambarajah Sistem Penyaman Udara Toyota Fortuner



Gambarajah 7 : Komponen Bagi Sistem Penyaman Udara Toyota Fortuner (1)

Jadual 9 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	AC Compressor
2	Belting
3	Tensioner
4	AC Condenser

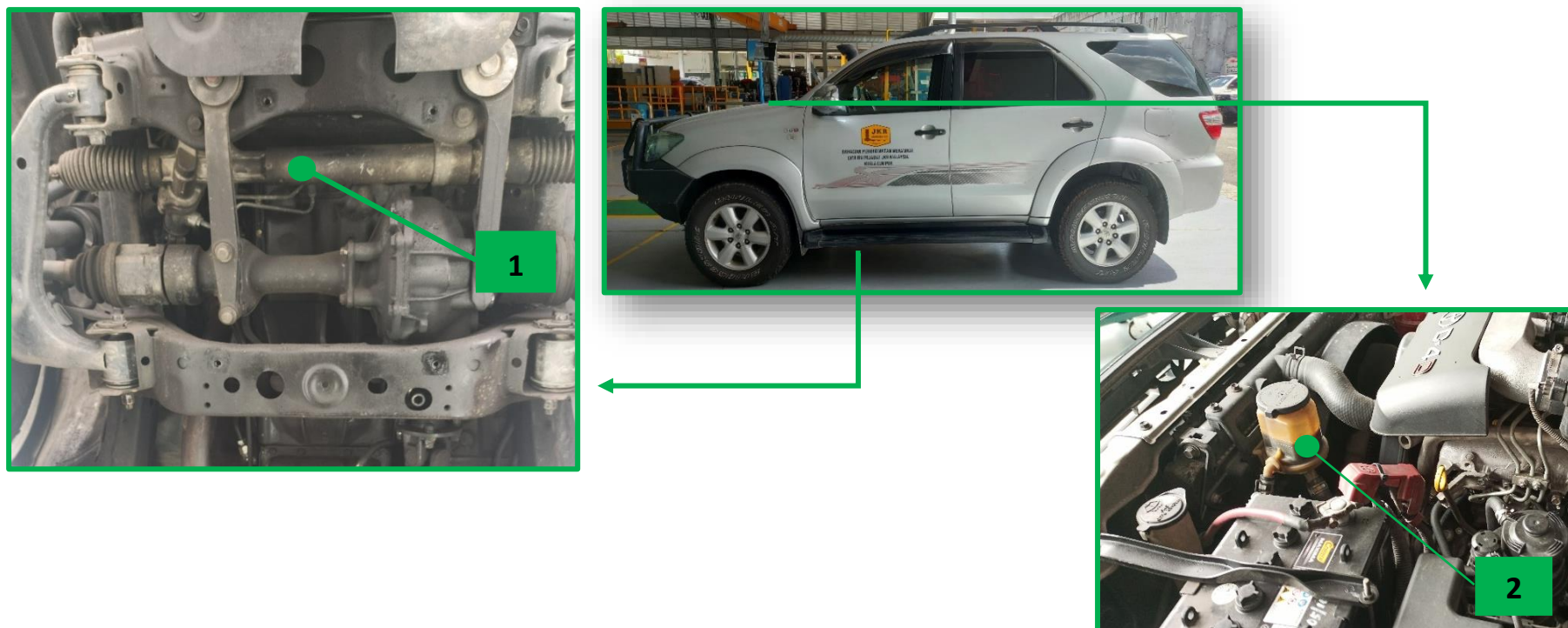


Gambarajah 8 : Komponen Bagi Sistem Penyaman Udara Toyota Fortuner (2)

Jadual 10 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
5	AC Vent
6	AC Switch
7	Blower Switch

4.6 Gambarajah Sistem Stering Toyota Fortuner



Gambarajah 9 : Komponen Bagi Sistem Stering Toyota Fortuner (1)

Jadual 11 : Deskripsi Sebahagian Komponen Umum Sistem Stering Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Steering Rack
2	Power Steering Fluid Tank



Gambarajah 10 : Komponen Bagi Sistem Stering Toyota Fortuner (2)

Jadual 12 : Deskripsi Sebahagian Komponen Umum Sistem Stering Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
3	Tie Rod End
4	Steering Rack Boots
5	Steering Wheel

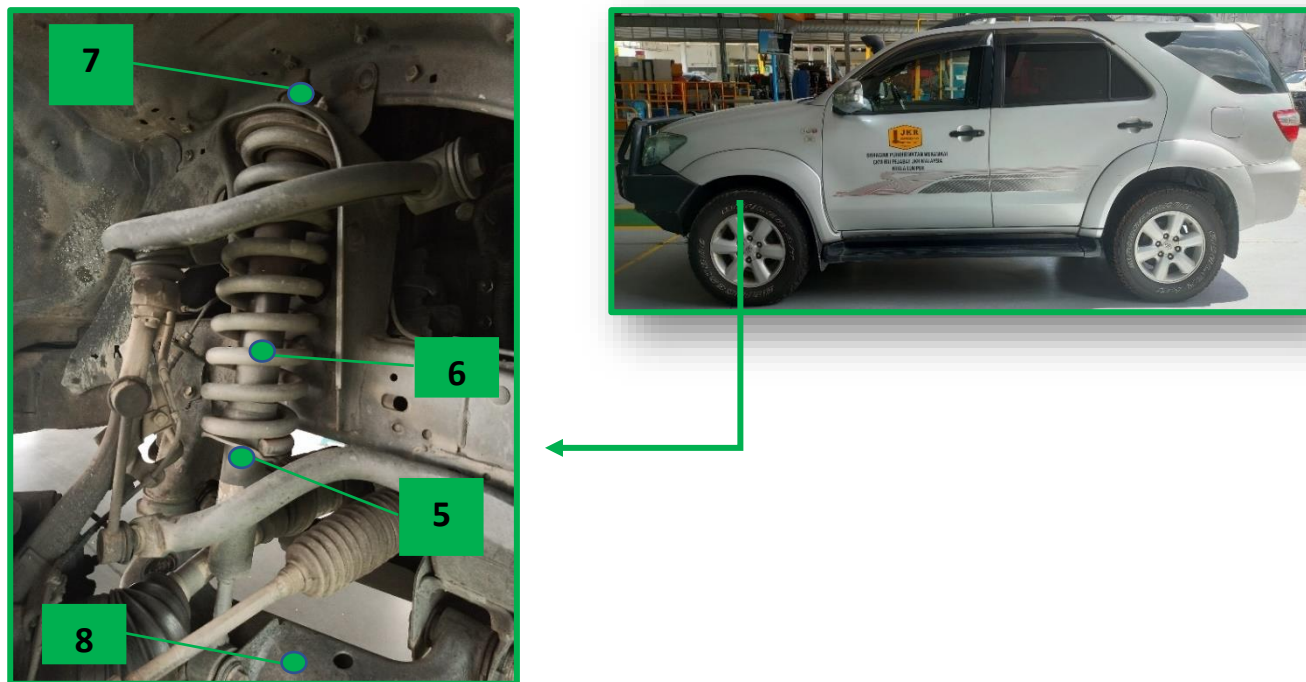
4.7 Gambarajah Sistem Suspension Toyota Fortuner



Gambarajah 11 : Komponen Bagi Sistem Suspension Toyota Fortuner (1)

Jadual 13 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Stabilizer Link
2	Lower Control Arm
3	Suspension Steering Ball Stud Dust Seal
4	Idler Arm

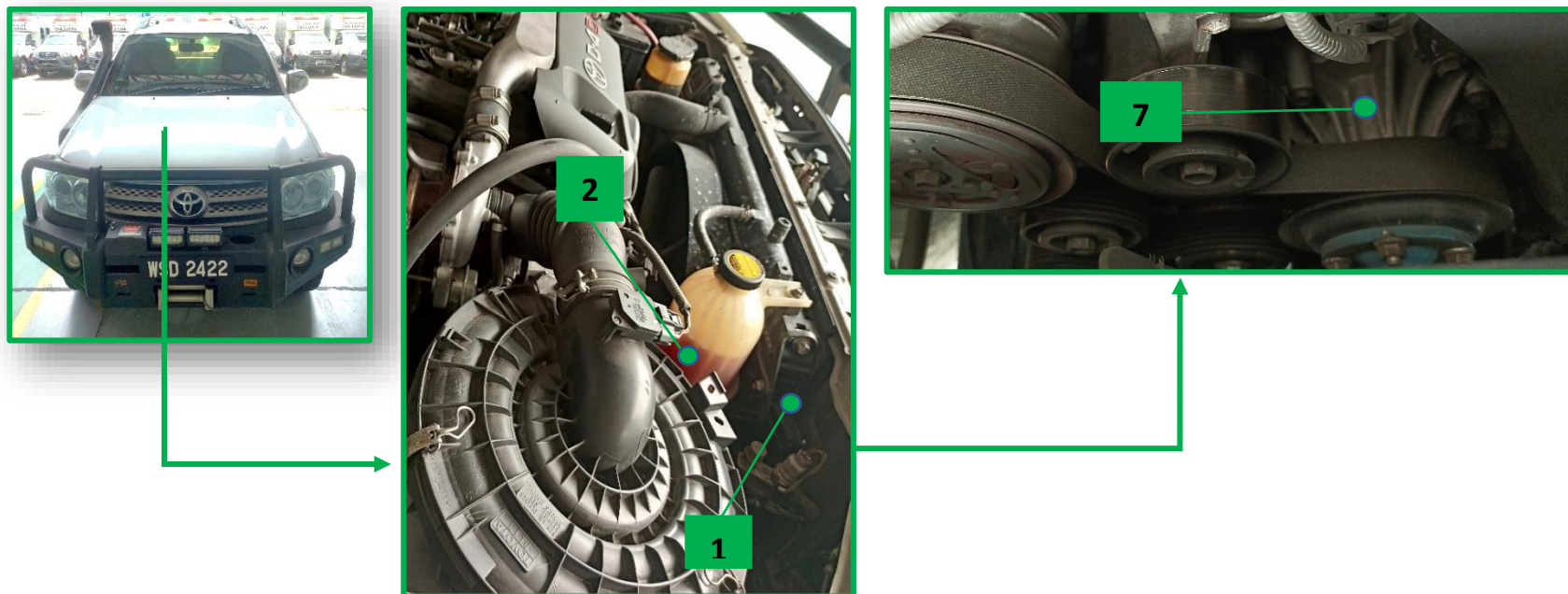


Gambarajah 12 : Komponen Bagi Sistem Suspension Toyota Fortuner (2)

Jadual 14 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
5	Absorber
6	Coil Spring
7	Upper Control Arm
8	Lower Control Arm

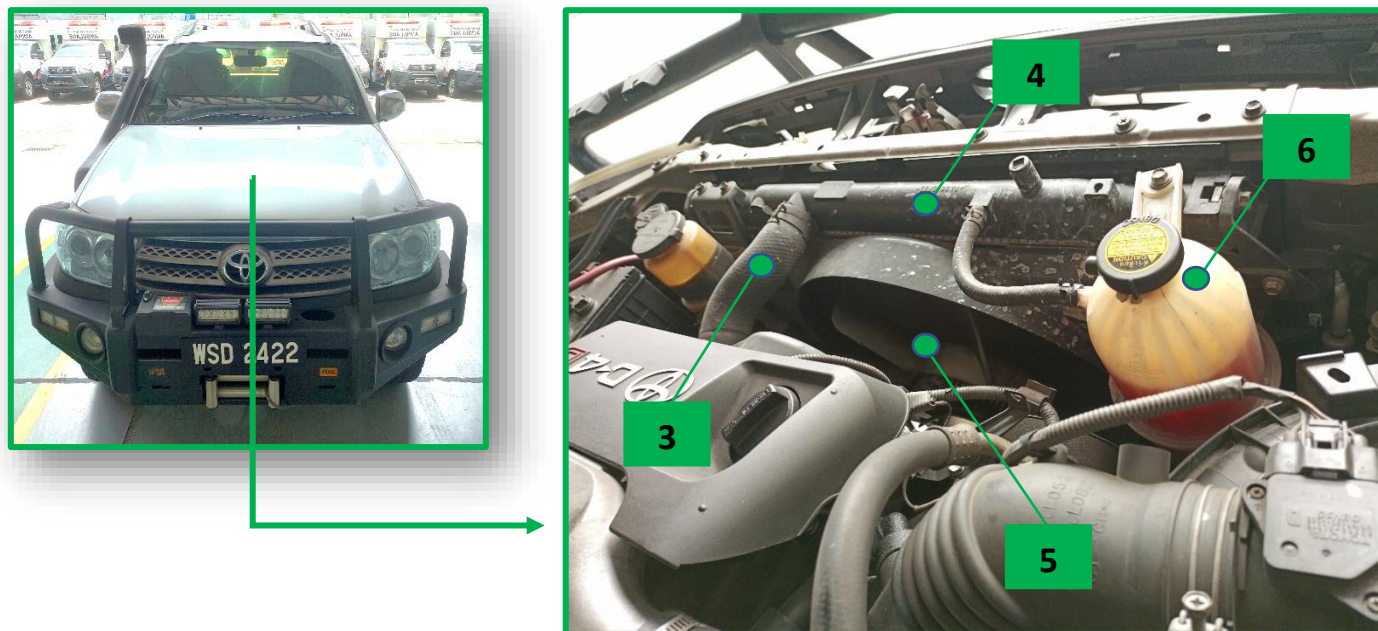
4.8 Gambarajah Sistem Penyejukan Toyota Fortuner



Gambarajah 13 : Komponen Bagi Sistem Penyejukan Enjin Toyota Fortuner (1)

Jadual 15 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Enjin Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Radiator Core
2	Radiator Coolant
7	Water Pump

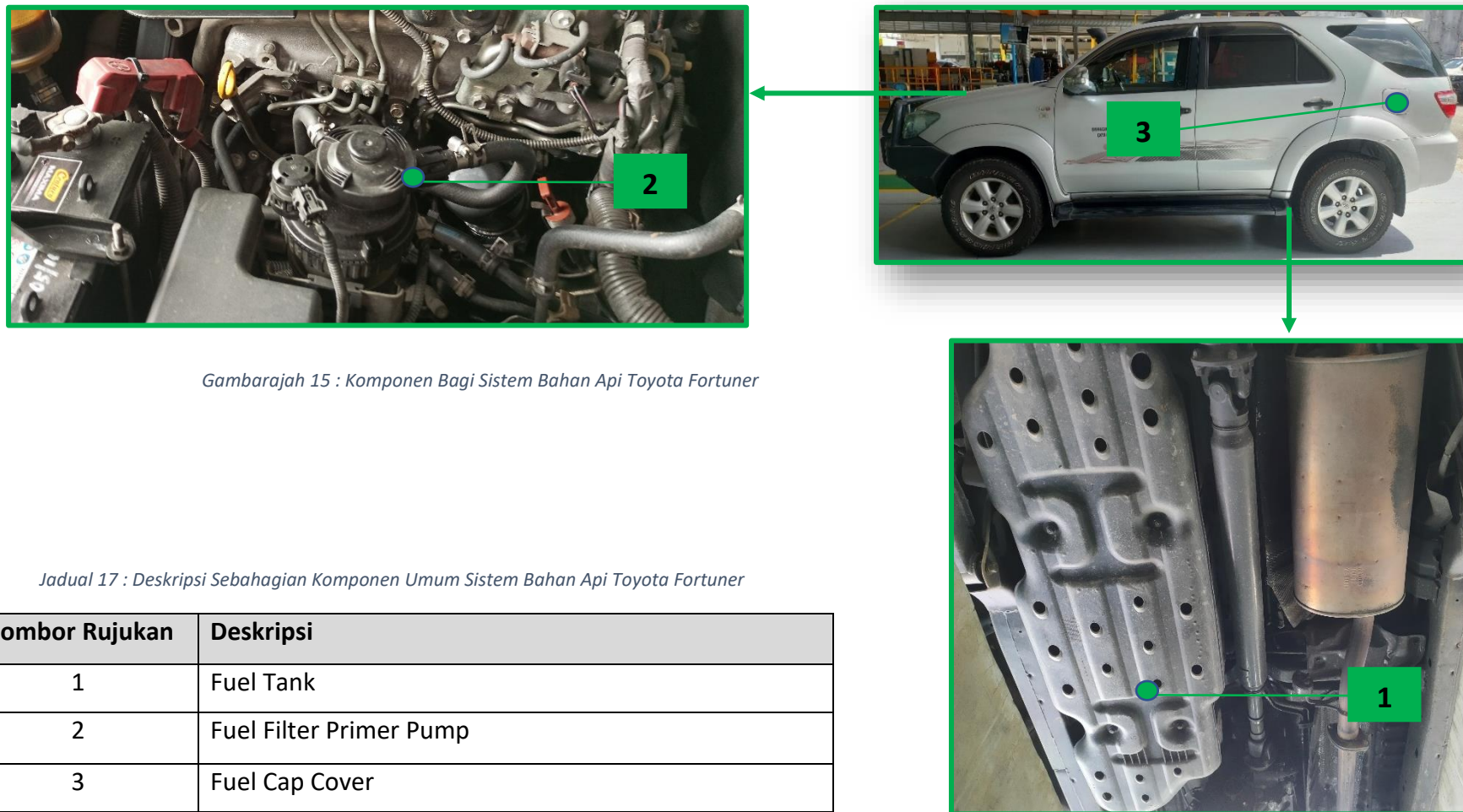


Gambarajah 14 : Komponen Bagi Sistem Penyejukan Enjin Toyota Fortuner (2)

Jadual 16 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Enjin Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
3	Upper Hose
4	Top Radiator
5	Radiator Fan
6	Expansion Tank

4.9 Gambarajah Sistem Bahan Api Toyota Fortuner

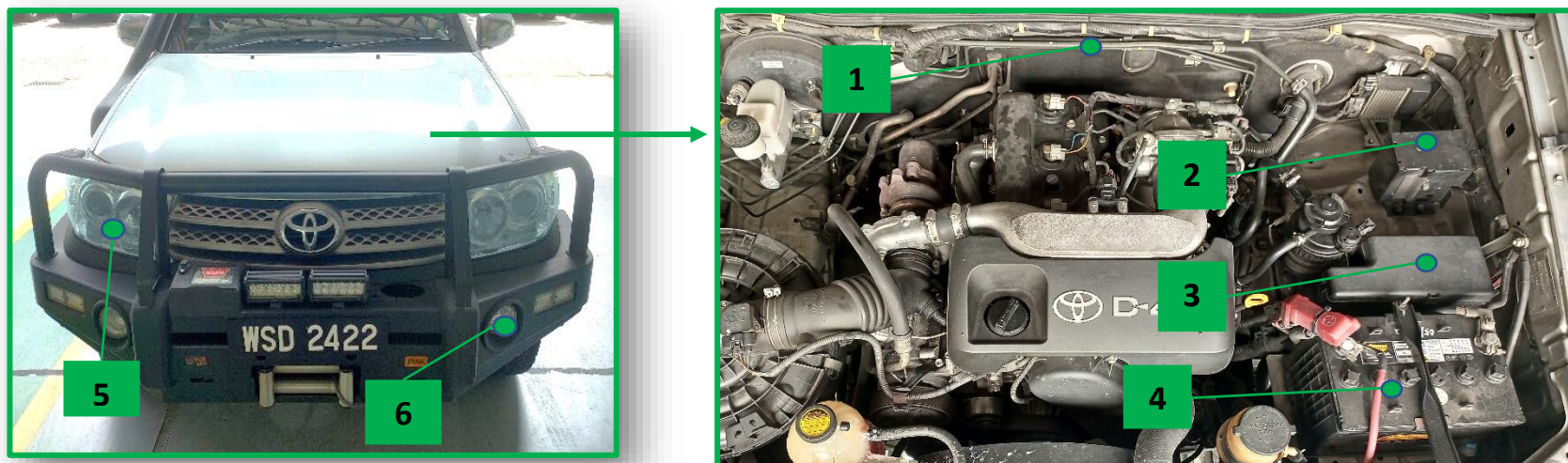


Gambarajah 15 : Komponen Bagi Sistem Bahan Api Toyota Fortuner

Jadual 17 : Deskripsi Sebahagian Komponen Umum Sistem Bahan Api Toyota Fortuner

Nombor Rujukan	Deskripsi
1	Fuel Tank
2	Fuel Filter Primer Pump
3	Fuel Cap Cover

4.10 Gambarajah Sistem Elektrikal Toyota Fortuner



Gambarajah 16 : Komponen Bagi Sistem Elektrikal Toyota Fortuner (1)

Jadual 18 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Wiper Motor
2	Alarm System
3	Fius Box
4	Bateri
5	Head Lamp
6	Fog Lamp

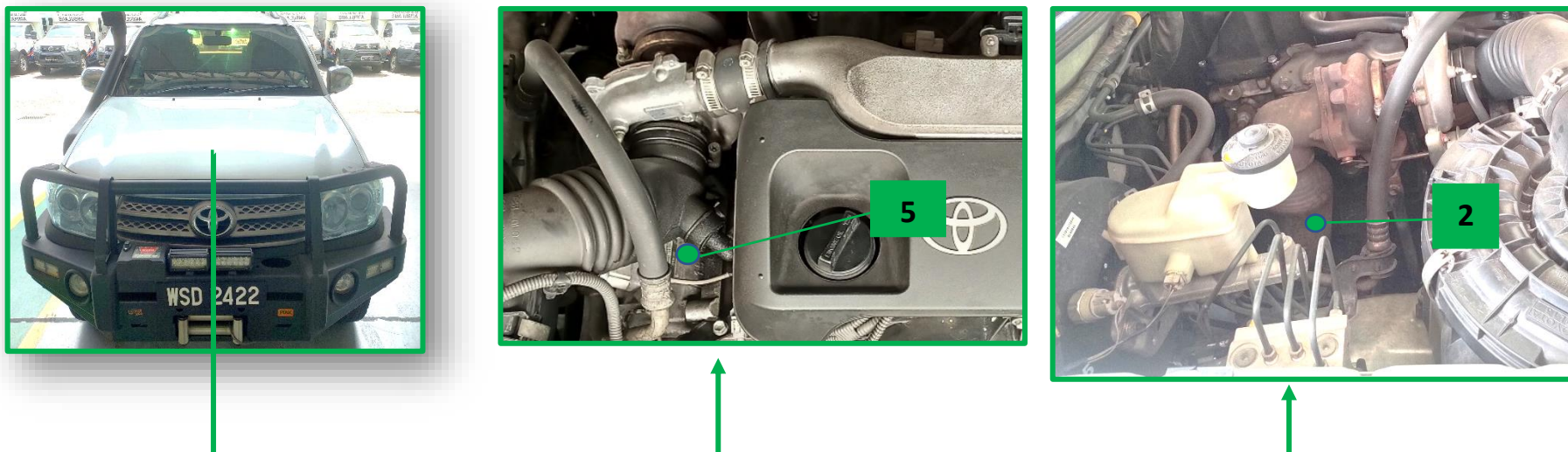


Gambarajah 17 : Komponen Bagi Sistem Elektrikal Toyota Fortuner (2)

Jadual 19 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
7	Meter Panel
8	Ignition Key
9	Power Side Mirror Switch
10	Tail Lamp
11	Reverse Lamp
12	Radio

4.11 Gambarajah Sistem Ekzos Toyota Fortuner



Gambarajah 18 : Komponen Bagi Sistem Ekzos Toyota Fortuner (1)

Jadual 20 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
2	Catalytic Converter
5	Exhaust Manifold

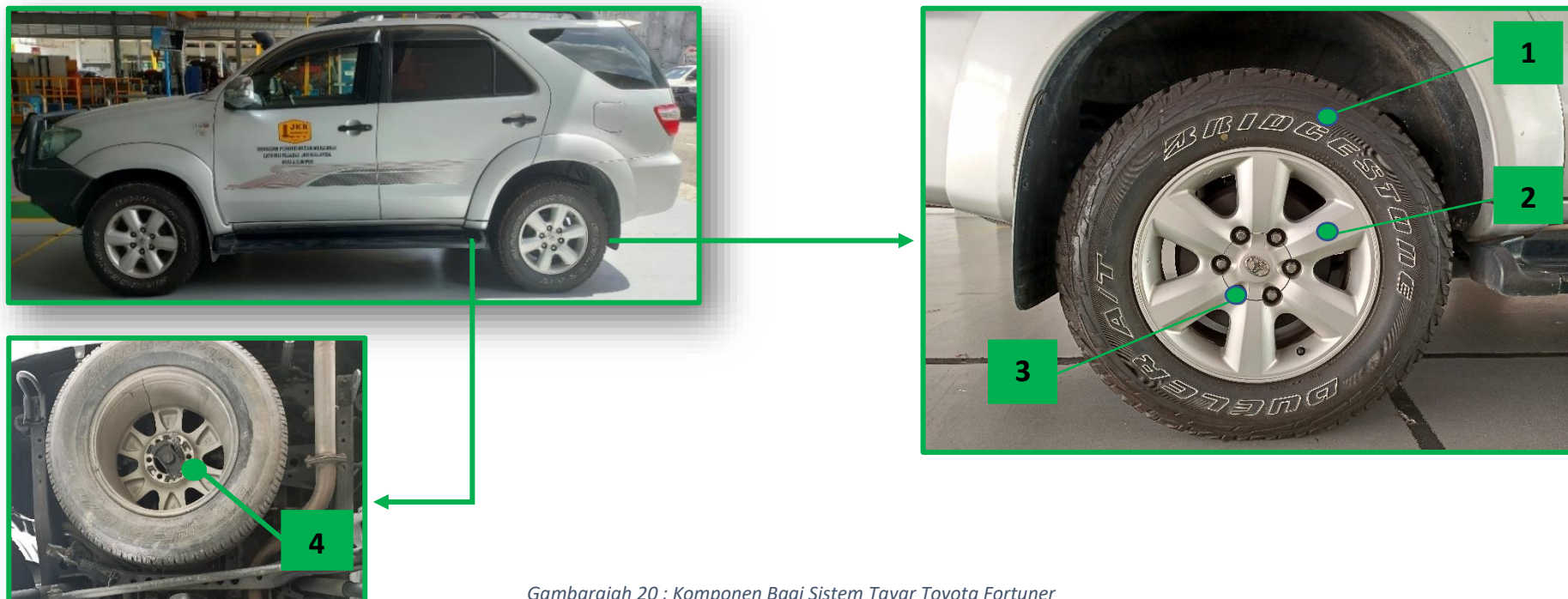


Gambarajah 19 : Komponen Bagi Sistem Ekzos Toyota Fortuner (2)

Jadual 21 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
1	Exhaust Tail Pipe
3	Exhaust Muffler
4	Exhaust Pipe

4.12 Gambarajah Sistem Tayar Toyota Fortuner

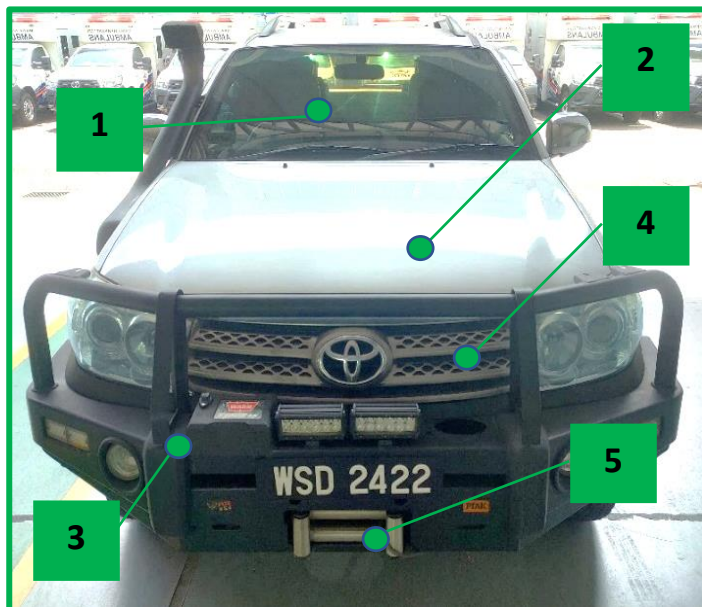


Gambarajah 20 : Komponen Bagi Sistem Tayar Toyota Fortuner

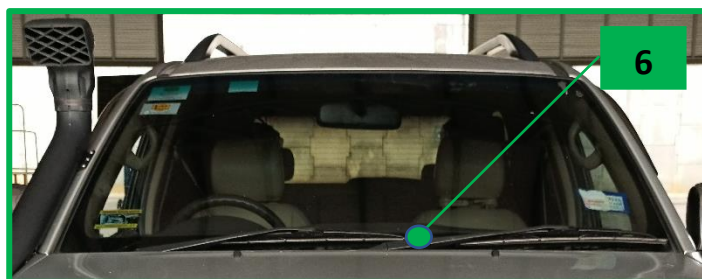
Jadual 22 : Deskripsi Sebahagian Komponen Umum Sistem Tayar Toyota Fortuner

Nombor Rujukan	Deskripsi
1	Tyre
2	Wheel Rim
3	Wheel Nut
4	Spare Tyre

4.13 Gambarajah Sistem Badan Kenderaan Toyota Fortuner

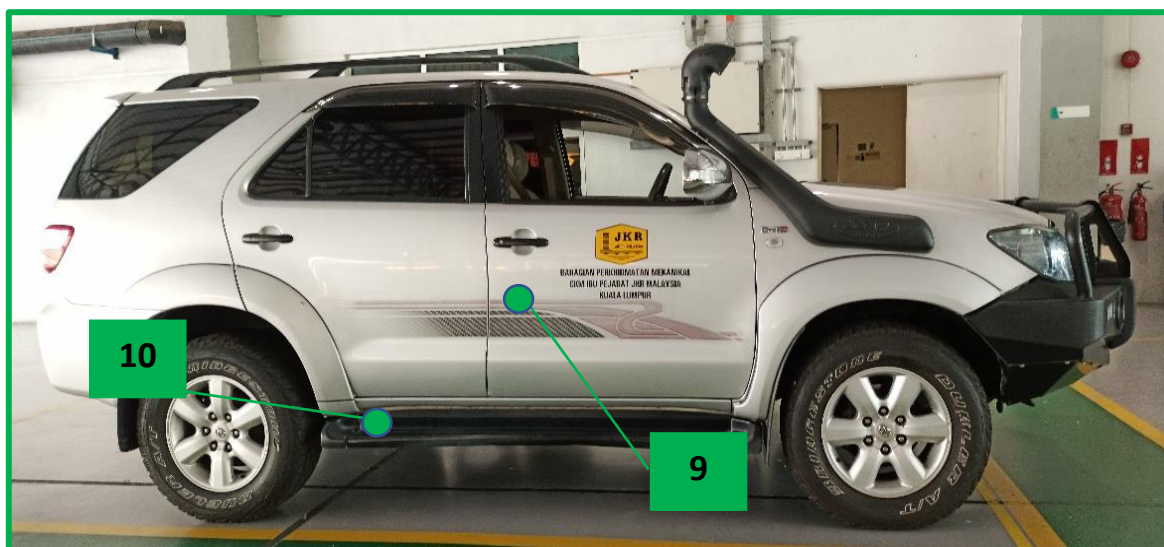
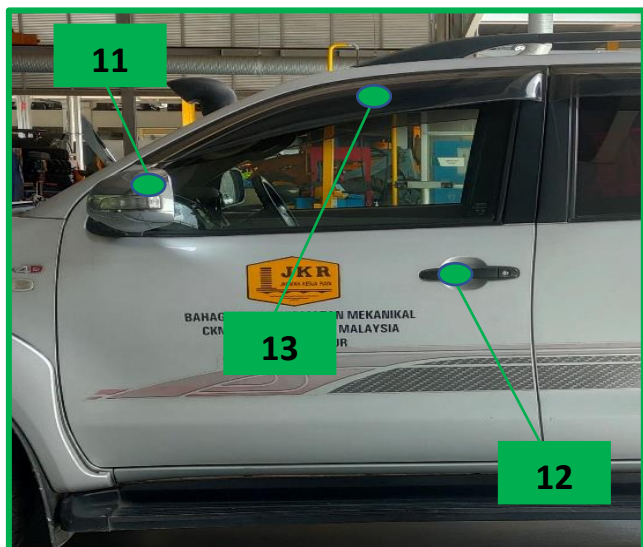


Gambarajah 21 : Komponen Bagi Sistem Badan Kenderaan Toyota Fortuner (1)



Jadual 23 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	FR Windscreen
2	Bonnet
3	Bull Bar
4	FR Grill
5	FR Winch
6	FR Wiper
7	Door Glass
8	Wheel Arch

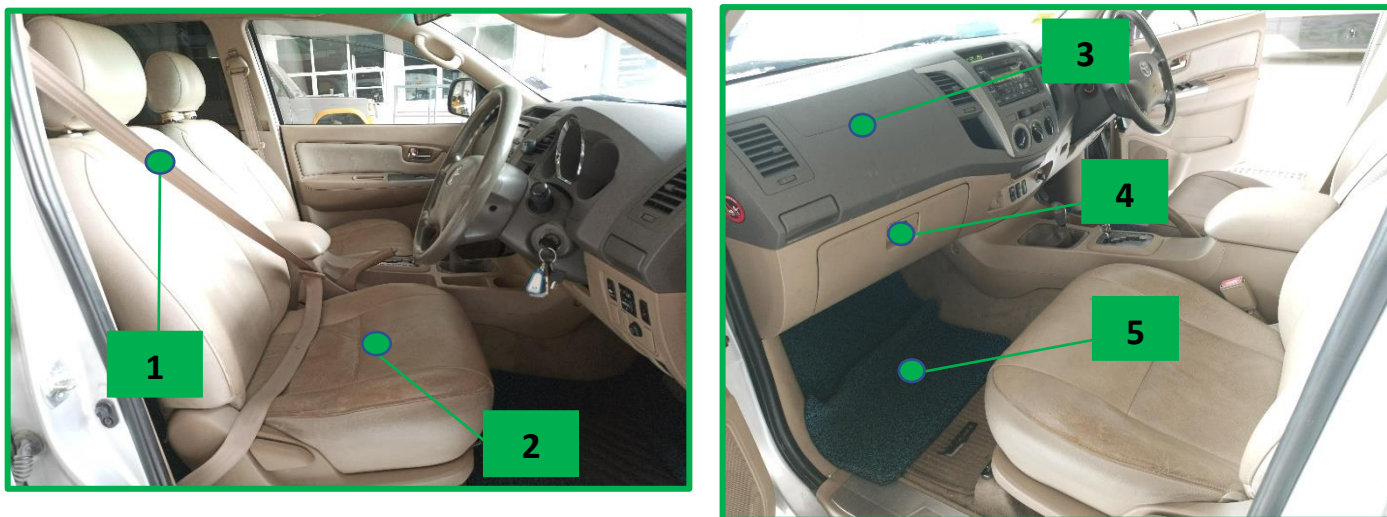


Jadual 24 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
9	Door
10	Side Step Assy
11	Side Mirror
12	Door Handle
13	Window Visor
14	Tail Gate
15	RR Windscreen
16	RR Bumper
17	Spoiler

Gambaran 22 : Komponen Bagi Sistem Badan Kenderaan Toyota Fortuner (2)

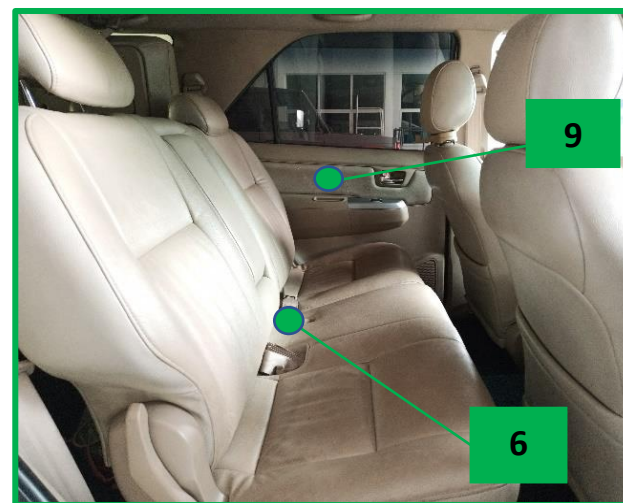
4.14 Gambarajah Sistem Dalaman Kenderaan Toyota Fortuner



Gambarajah 23 : Komponen Bagi Sistem Dalaman Kenderaan Toyota Fortuner (1)

Jadual 25 : Deskripsi Sebahagian Komponen Umum Sistem Dalaman Kenderaan Toyota Fortuner (1)

Nombor Rujukan	Deskripsi
1	Seat Belt
2	Driver Seat
3	Dashboard
4	Glove Compartment
5	Carpet / Floor Mat



Gambarajah 24 : Komponen Bagi Sistem Dalaman Kenderaan Toyota Fortuner (2)

Jadual 26 : Deskripsi Sebahagian Komponen Umum Sistem Dalaman Kenderaan Toyota Fortuner (2)

Nombor Rujukan	Deskripsi
6	Passenger Seat
7	Sun Visor
8	Roof Lining
9	Door Trim
10	Arm Rest





5.0 PANDUAN KADAR HARGA ALAT GANTI – TOYOTA FORTUNER

5.1 Sistem Enjin Toyota Fortuner

Jadual 27 : Panduan Kadar Harga Sistem Enjin Fortuner

Bil.	Komponen Enjin Toyota Fortuner	Harga (RM)
1	Air Cleaner	250.00
2	Air Cleaner Intake Duct Tube	350.00
3	Air Filter Casing	650.00
4	Air Hose	150.00
5	Auto Tensioner Assy	350.00
6	Balancer Shaft	1,950.00
7	Belt	260.00
8	Camshaft	590.00
9	Camshaft Oil Seal	80.00
10	Camshaft Pulley	350.00
11	Clutch Fan	450.00
12	Coil	280.00
13	Connecting Rod	450.00
14	Conrod Bearing	250.00
15	Crankshaft	3,800.00
16	Crankshaft Bearing	350.00
17	Crankshaft Oil Seal	130.00
18	Crankshaft Pulley	620.00
19	Cylinder Head	7,400.00
20	Dipstick	120.00
21	Drain Plug	50.00
22	Electronic Fuel Injection (EFI)	270.00
23	Engine Block	11,200.00
24	Engine Mounting	550.00



Bil.	Komponen Enjin Toyota Fortuner	Harga (RM)
25	Engine Oil	180.00
26	Engine Oil Cooler Set	1,850.00
27	Engine Oil Mineral	110.00
28	Engine Oil Pump Set	2,200.00
29	Engine Oil Semi Synthetic	140.00
30	Engine Oil Treatment	140.00
31	Exhaust Manifold	2,100.00
32	Exhaust Valve	80.00
33	Fuel Filter	180.00
34	Fuel Injection Pump Oil Seal	70.00
35	Fuel Regulator In	90.00
36	Fuel Regulator Out	190.00
37	Gasket Oil Pump	100.00
38	Heater Plug	330.00
39	Hose Intercooler	490.00
40	Hose Oil Cooler	250.00
41	Hydraulic Tensioner Damper	230.00
42	Idler Bearing Assy	300.00
43	Idler Pulley No.1	330.00
44	Idler Pulley No.2	330.00
45	Injector	1,250.00
46	Intake manifold	2,100.00
47	Intake Valve	100.00
48	Main Pulley	500.00
49	Oil Cooler Pipe Hose	170.00
50	Oil Filter	70.00
51	Oil Pan Washer	40.00
52	Oil Pressure Switch	280.00
53	Oil Pump	1,300.00



Bil.	Komponen Enjin Toyota Fortuner	Harga (RM)
54	Oil Sump Gasket	140.00
55	Oil Sump	850.00
56	Overhaul Gasket Set	1,600.00
57	Pipe Line Petrol	170.00
58	Piston	530.00
59	Piston Pin	130.00
60	Piston Ring	430.00
61	Plug O-Ring	60.00
62	Rocker Arm	200.00
63	Rocker Cover	670.00
64	Spark Plug	180.00
65	Spring Valve Exhaust	330.00
66	Spring Valve Intake	350.00
67	Steering Box	3,200.00
68	Tachometer Drive	560.00
69	Tappet	350.00
70	Tensioner Bearing	350.00
71	Throttle Body	3,000.00
72	Timing Belt	430.00
73	Timing Belt Tensioner	300.00
74	Timing Cam Shaft Gear	560.00
75	Timing Chain	950.00
76	Timing Chain Set	3,200.00
77	Timing Chain Tensioner	290.00
78	Timing Cover	550.00
79	Tube Assy-Oil Cooler set	1,300.00
80	Turbo Charger	6,100.00
81	Valve Cover Oil Seal	190.00
82	Valve Solenoid	530.00



Bil.	Komponen Enjin Toyota Fortuner	Harga (RM)
83	Valve Cover Hose	120.00
84	Valve Pin	190.00
85	Valve Cover Gasket	150.00
86	Water Jacket	120.00
87	Water Separator Filter	280.00



5.2 Sistem Tranmisi Toyota Fortuner

Jadual 28 : Panduan Kadar Harga Sistem Tranmisi Fortuner

Bil.	Komponen Tranmisi Toyota Fortuner	Harga (RM)
1	4x4 Gear Level Boot	330.00
2	ATF Filter	250.00
3	ATF Oil 1Litre	230.00
4	ATF Oil 4 Litre	180.00
5	Bearing	230.00
6	Breather Hose	250.00
7	Clutch Slave Pump	380.00
8	Clutch Bearing	390.00
9	Clutch Cable	250.00
10	Clutch Cover	480.00
11	Clutch Fork	450.00
12	Clutch Fork Dust Cover	390.00
13	Clutch Housing/Cover	500.00
14	Clutch Kit Set	600.00
15	Clutch Master Pump	650.00
16	Clutch Plate	1100.00
17	Clutch Shaft Oil Seal	270.00
18	Clutch Sleeve Pump	630.00
19	Crown Wheel Gear	230.00
20	CVT Gear Box Assy	28,500.00
21	Drain Plug	250.00
22	Engine 4WD Coupling Assy	600.00
23	Flywheel Bearing	340.00
24	Flywheel Oil Seal	450.00
25	Forward Reverse Gear	550.00



Bil.	Komponen Tranmisi Toyota Fortuner	Harga (RM)
26	FR LH Drive Shaft	2,700.00
27	FR LH Inner Drive Shaft Dust Cover	130.00
28	FR LH Outer Drive Shaft Dust Cover	140.00
29	FR Propeller Shaft Coupling	580.00
30	FR RH Drive Shaft	2,200.00
31	FR RH Inner Drive Shaft Dust Cover	150.00
32	FR RH Outer Drive Shaft Dust Cover	140.00
33	FR Universal Joint	190.00
34	Gearbox Manual	26,500.00
35	Gear Level Boot	330.00
36	Gear Lever	590.00
37	Gearbox AMT	560.00
38	Gearbox Automatic	37,100.00
39	Gearbox DCT	560.00
40	Gearbox Gasket	330.00
41	Gearbox Mounting	1,100.00
42	Gearbox Overhaul Gasket Set	580.00
43	LH Drive Shaft Oil Seal	170.00
44	Long Shaft	2,200.00
45	Mounting and Differential Lock	650.00
46	O Ring	100.00
47	Oil Cooler Hose	300.00
48	Oil Pump	330.00
49	Oil Seal	230.00
50	Oil Seal Shaft	320.00
51	One Way Bearing Set	250.00
52	Pilot Bearing	170.00
53	Pinion Gear	480.00
54	Planetary Gear	650.00



Bil.	Komponen Tranmisi Toyota Fortuner	Harga (RM)
55	Propeller Shaft	3,200.00
56	Rear Axle Oil Seal	350.00
57	RH Drive Shaft Oil Seal	170.00
58	RR Differential Assy	1,700.00
59	RR Differential Assy Overhaul Kit	450.00
60	RR LH Inner Drive Shaft Dust Cover	130.00
61	RR LH Outer Drive Shaft Dust Cover	150.00
62	RR Propeller Shaft Coupling	580.00
63	RR RH Inner Drive Shaft Dust Cover	140.00
64	RR RH Outer Drive Shaft Dust Cover	150.00
65	RR Universal Joint	190.00
66	Servo Clutch	440.00
67	Torque Converter Assy	4,300.00
68	Transfer Box Mounting	340.00
69	Transfer Oil	150.00
70	Transfer Oil LSD	140.00
71	Transfer Overhaul Kit	530.00
72	Valve Body	940.00



5.3 Sistem Brek Toyota Fortuner

Jadual 29 : Panduan Kadar Harga Sistem Brek Fortuner

Bil.	Komponen Brek Toyota Fortuner	Harga (RM)
1	Air Compressor	530.00
2	Air Pressure Pipe Line	310.00
3	Brake Pipe 6" x 12"	300.00
4	Brake Air Booster	310.00
5	Brake Air Tank	210.00
6	Brake Booster	480.00
7	Brake Diaphragm (Switch Valve Assy)	300.00
8	Brake Hydraulic Elbow Nipple Angle	300.00
9	Brake Master Pump	900.00
10	Brake Pedal Stopper Rubber	110.00
11	Brake Pipe Line	340.00
12	Brake Resevior Tank	150.00
13	Brake Retarder	290.00
14	Brake Servo Assy	700.00
15	Exhaust Brake Unit	290.00
16	FR Brake Repair Kit	180.00
17	FR LH Brake Drum	280.00
18	FR LH Brake Hose Pipe	470.00
19	FR LH Brake Pump (Calliper)	980.00
20	FR LH Rotor Disc	650.00
21	FR RH Brake Drum	280.00
22	FR RH Brake Hose Pipe	470.00
23	FR RH Brake Pump (Calliper)	980.00
24	FR RH Rotor Disc	650.00
25	FR RH/LH Brake Pad	360.00



Bil.	Komponen Brek Toyota Fortuner	Harga (RM)
26	FR RH/LH Brake Shoe	280.00
27	FR RH/LH Rotor Disc Sensor	300.00
28	Hand Brake Cable	290.00
29	LH Rear Wheel Cylinder Pump	250.00
30	Parking Brake Shoe	270.00
31	RH Rear Wheel Cylinder Pump	250.00
32	RR LH Brake Drum	280.00
33	RR LH Brake Pump (Calliper)	260.00
34	RR LH Rotor Disc	460.00
35	RR RH Brake Drum	280.00
36	RR RH Brake Pump	230.00
37	RR RH Brake Pump (Calliper)	260.00
38	RR RH Brake Wheel Cylinder	260.00
39	RR RH Rotor Disc	460.00
40	RR RH/LH Brake Pad	320.00
41	RR RH/LH Brake Shoe	280.00
42	RR RH/LH Brake Shoe Lining	270.00
43	RR RH/LH Rotor Disc Sensor	300.00
44	Tandem Brake (Tre-Paddle Valve Assy)	300.00



5.4 Sistem Penyaman Udara Toyota Fortuner

Jadual 30 : Panduan Kadar Harga Sistem Penyaman Udara Fortuner

Bil.	Komponen Penyaman Udara Toyota Fortuner	Harga (RM)
1	A.C Blower	550.00
2	A.C Compressor	1,600.00
3	A.C Compressor Bracket	500.00
4	A.C Condenser	1,000.00
5	A.C Cooling Coil	1,100.00
6	A.C Expansion Valve	150.00
7	A.C Gas	130.00
8	A.C Receiver Drier	170.00
9	A.C Switch	290.00
10	Belting	140.00
11	Blower Switch	390.00
12	Cabin Filter	90.00
13	Compressor Oil	140.00
14	Drier	290.00
15	FR Expansion Valve	300.00
16	High Pressure Pipe	200.00
17	Hose / Pipe	310.00
18	Low Pressure Pipe	200.00
19	Manual Climate Control HVAC Assy	1,450.00
20	O Ring	60.00
21	Pressure Switch	250.00
22	RR Expansion Valve	300.00
23	Tensioner	240.00



5.5 Sistem Stering Toyota Fortuner

Jadual 31 : Panduan Kadar Harga Sistem Stering Fortuner

Bil.	Komponen Stering Toyota Fortuner	Harga (RM)
1	Idler Arm	200.00
2	LH Knuckle	320.00
3	LH Steering Rack Bush	320.00
4	Power Steering Fluid	200.00
5	Return Hose	200.00
6	RH Knuckle	320.00
7	RH Steering Rack Bush	320.00
8	Steering Coupling	300.00
9	Steering Shaft Boot Cover	200.00
10	Suction Hose	200.00
11	Wheel Steering	1,200.00



5.6 Sistem Suspension Toyota Fortuner

Jadual 32 : Panduan Kadar Harga Sistem Suspension Fortuner

Bil.	Komponen Suspension Toyota Fortuner	Harga (RM)
1	FR RH Absorber	650.00
2	FR Axle	5,100.00
3	FR LH Absorber	650.00
4	FR LH Lower Arm	1,060.00
5	FR LH Lower Arm Ball Joint	340.00
6	FR LH Spring Coil	410.00
7	FR LH Upper Arm	950.00
8	FR LH/RH Absorber	800.00
9	FR RH Leaf Spring	1,600.00
10	FR RH Lower Arm	1,100.00
11	FR RH Lower Arm Ball Joint	340.00
12	FR RH Spring Coil	410.00
13	FR RH Upper Arm	950.00
14	FR Stabilizer Link	350.00
15	King Pin	530.00
16	LH Absorber Dust Cover	210.00
17	LH Absorber Mounting	360.00
18	LH Stabilizer Bar Bush	340.00
19	LH Torsion Bar Bush	310.00
20	LH/RH Absorber Dust Cover	170.00
21	LH/RH Stabilizer Bush Bar	140.00
22	LH/RH Stabilizer Link	160.00
23	Lower Arm Bush B	340.00
24	Lower Arm Bush S	340.00
25	Pit Man Arm	430.00



Bil.	Komponen Suspension Toyota Fortuner	Harga (RM)
26	Rack End	380.00
27	RH Absorber Dust Cover	210.00
28	RH Absorber Mounting	360.00
29	RH Stabilizer Bar Bush	320.00
30	RH Torsion Bar Bush	310.00
31	RR Axle	5,100.00
32	RR LH Absorber	500.00
33	RR LH Bump Stopper	320.00
34	RR LH Leaf Spring	1,200.00
35	RR LH Stabilizer Bar Bush	320.00
36	RR LH/RH Bump Stopper	320.00
37	RR LH/RH Stabilizer Bar Bush	320.00
38	RR RH Absorber	500.00
39	RR RH Bump Stopper	320.00
40	RR RH Leaf Spring	1,200.00
41	RR RH Stabilizer Bar Bush	320.00
42	RR RH/LH Spring Bush	880.00
43	RR RH/LH Spring Clamp	530.00
44	RR Stabilizer Link	300.00
45	Spring Colum	450.00
46	Tie Rod End In	340.00
47	Tie Rod End Out	340.00
48	Upper Arm Bush	340.00



5.7 Sistem Penyejukan Toyota Fortuner

Jadual 33 : Panduan Kadar Harga Sistem Penyejukan Fortuner

Bil.	Komponen Penyejukan Toyota Fortuner	Harga (RM)
1	Belting	120.00
2	By Pass Hose	300.00
3	By Pass Hose (Big)	110.00
4	By Pass Hose (Small)	90.00
5	By Pass Piping	150.00
6	Engine Coolant Piper O Ring	50.00
7	Engine Coolant Thermostat Housing Assy	360.00
8	Engine Oil Cooler	2,120.00
9	Expansion Tank	250.00
10	Heater Hose	310.00
11	Hose Assy	200.00
12	Hose Clip	20.00
13	Lower Hose	200.00
14	Radiator Assy	2,600.00
15	Radiator Bottom Hose	130.00
16	Radiator Cap	60.00
17	Radiator Coolant	100.00
18	Radiator Fan	300.00
19	Radiator Hose Upper Bracket	110.00
20	Radiator Motor Fan	400.00
21	Radiator Top Hose	120.00
22	Thermostat	130.00
23	Throttle Body Hose	150.00
24	Tube Assy Oil Cooler	2,650.00
25	Upper Hose	200.00



Bil.	Komponen Penyejukan Toyota Fortuner	Harga (RM)
26	Water Pump Pipe	270.00
27	Water Pump	1,000.00



5.8 Sistem Bahan Api Toyota Fortuner

Jadual 34 : Panduan Kadar Harga Sistem Bahan Api Fortuner

Bil.	Komponen Bahan Api Toyota Fortuner	Harga (RM)
1	Fuel Pipe Line	350.00
2	Fuel Pump	2,000.00
3	Fuel Tank	2,600.00
4	Petrol Filter	200.00
5	Rail Pressure Sensor	1,500.00



5.9 Sistem Elektrikal Toyota Fortuner

Jadual 35 : Panduan Kadar Harga Sistem Elektrikal Fortuner

Bil.	Komponen Elektrikal Toyota Fortuner	Harga (RM)
1	3rd Brake Lamp	550.00
2	Accelerator Pedal Position Sensor c/w Pedal	1,000.00
3	Air Flow Sensor	430.00
4	Alarm Remote Case Cover	100.00
5	Alarm System	1,400.00
6	Alternator	2,100.00
7	Alternator Belt	200.00
8	Bateri	450.00
9	Beacon Light	2,400.00
10	Bulb Brake Lamp	40.00
11	Bulb Head Lamp	90.00
12	Bulb T10	50.00
13	Bulb T5	50.00
14	Bulb Tail Lamp	40.00
15	Camshaft Sensor	170.00
16	Clips	100.00
17	Coil Wire Socket Male	200.00
18	Crankshaft Sensor	170.00
19	Dim Light	430.00
20	Electronic Control Unit (ECU)	3,300.00
21	EGR Vacuum Solenoid	530.00
22	Fan Belt	180.00
23	Fius Box	600.00
24	FR LH Door Lock Actuator Assy	550.00
25	FR LH Power Window Motor	300.00



Bil.	Komponen Elektrikal Toyota Fortuner	Harga (RM)
26	FR RH Door Lock Actuator Assy	550.00
27	FR RH Power Window Motor	300.00
28	Fuse 10A	30.00
29	Fuse 15A	30.00
30	Fuse 20A	30.00
31	Fuse 25A	30.00
32	Fuse 5A	30.00
33	Hazard Light	160.00
34	Horn	170.00
35	Idle Air Control Sensor	370.00
36	Ignition Coil	360.00
37	Ignition Key	320.00
38	Ignition Switch	510.00
39	Intake Air Temperature Sensor	300.00
40	LH Break Lamp	1,100.00
41	LH Bulb - Brake Lamp	50.00
42	LH Head Lamp	1,200.00
43	LH Side Marker Light	420.00
44	LH Tail Lamp Bulb	80.00
45	Map Sensor	550.00
46	Mass Air Flow	300.00
47	Oxygen Sensor Lower	430.00
48	Oxygen Sensor Upper	400.00
49	Plate Number Bulb	80.00
50	Plate Number Lamp	160.00
51	Power Window Main Switch	220.00
52	Push Start Button	530.00
53	Relay Power Window	530.00
54	Relay Side Mirror	330.00



Bil.	Komponen Elektrikal Toyota Fortuner	Harga (RM)
55	Reverse Camera	1,100.00
56	Reverse Lamp	160.00
57	Reverse Sensor	440.00
58	Reverse Sensor	550.00
59	RH Break Lamp	1,100.00
60	RH Bulb - Brake Lamp	50.00
61	RH Head Lamp	1,200.00
62	RH Side Marker Light	420.00
63	RH Tail Lamp Bulb	80.00
64	RH/LH Fog Lamp	160.00
65	Roof Light	150.00
66	RR LH Door Lock Actuator Assy	550.00
67	RR LH Power Window Motor	300.00
68	RR RH Door Lock Actuator Assy	550.00
69	RR RH Power Window Motor	300.00
70	Solenoid Switch	320.00
71	Sport Light	250.00
72	Starter Carbon	200.00
73	Starter Motor	1,400.00
74	Starter Regulator	260.00
75	Steering Clock Spring	530.00
76	Thermostat Switch Sensor	200.00
77	Throttle Position Sensor	530.00
78	Washer Tank Motor	200.00
79	Wiper Motor	660.00
80	Wiring	3,000.00
81	Wiring Radio	530.00
82	Wiring Starter Motor	500.00



5.10 Sistem Ekzos Toyota Fortuner

Jadual 36 : Panduan Kadar Harga Sistem Ekzos Fortuner

Bil.	Komponen Ekzos Toyota Fortuner	Harga (RM)
1	Catalytic Converter	3,500.00
2	Exhaust Manifold	1,600.00
3	Exhaust Mounting	190.00
4	Exhaust Pipe	650.00
5	LH Exhaust Muffler Tip Stainless Steel Pipe	510.00
6	LH/RH Exhaust Muffler Tip Stainless Steel Pipe	510.00
7	Muffler	610.00
8	Rear Gasket Exhaust	160.00
9	Resonator	530.00
10	RH Exhaust Muffler Tip Stainless Steel Pipe	510.00



5.11 Sistem Tayar Toyota Fortuner

Jadual 37 : Panduan Kadar Harga Sistem Tayar Fortuner

Bil.	Komponen Tayar Toyota Fortuner	Harga (RM)
1	Tyre 1pcs	630.00
2	Alignment	50.00
3	Balancing	50.00
4	Camber	70.00
5	Caster	70.00
6	Flap	50.00
7	FR RH/LH Wheel Bearing	360.00
8	FR RH/LH Wheel Bearing Oil Seal	180.00
9	Idle Arm	190.00
10	Pit Man Arm	320.00
11	RR RH/LH Wheel Bearing	360.00
12	RR RH/LH Wheel Bearing Oil Seal	180.00
13	Tyre Tube	210.00
14	Valve Stem	120.00
15	Wheel Nut	80.00
16	Wheel Rim	530.00
17	Wheel Stud	50.00



5.12 Sistem Badan Kenderaan Toyota Fortuner

Jadual 38 : Panduan Kadar Harga Sistem Badan Kenderaan Fortuner

Bil.	Komponen Badan Toyota Fortuner	Harga (RM)
1	Arm Rest	220.00
2	Back Door Outer Handle	330.00
3	Base (Floor)	320.00
4	Bonnet	1,500.00
5	Center Pillar	320.00
6	Center Tunnel	320.00
7	Cermin Pandang Belakang	330.00
8	Clip, Nut, Bracket	280.00
9	Clips	30.00
10	Coating	1,000.00
11	Cutting Blade	260.00
12	Cutting Edge	260.00
13	Emblem	250.00
14	FR Bumper	1,000.00
15	FR Grill	970.00
16	FR LH Bonnet Damper	330.00
17	FR LH Door	1,900.00
18	FR LH Door Glass	800.00
19	FR LH Door Glass Moulding	280.00
20	FR LH Door Handle	280.00
21	FR LH Door Rubber	510.00
22	FR LH Outer Door Handle	330.00
23	FR LH Outside Door Lining	330.00
24	FR LH/RH Door Handle	190.00
25	FR Panel	320.00



Bil.	Komponen Badan Toyota Fortuner	Harga (RM)
26	FR RH Bonnet Damper	330.00
27	FR RH Door	1,900.00
28	FR RH Door Glass	800.00
29	FR RH Door Glass Moulding	280.00
30	FR RH Door Handle	280.00
31	FR RH Door Rubber	510.00
32	FR RH Outer Door Handle	330.00
33	FR RH Outside Door Lining	330.00
34	FR RH/LH Floor Mat	330.00
35	FR RH/LH Mud Flat	350.00
36	FR RH/LH Wheel Arch	400.00
37	FR Skirts	450.00
38	FR Spar	320.00
39	FR Windscreen	1,600.00
40	FR Wiper	180.00
41	FR/RR LH/RH Door Handle	190.00
42	Fuel Filler Spring Assy	330.00
43	LH Fender	600.00
44	LH Fender Liner Shield Apron Seal/Guard	330.00
45	LH Front Fender Liner Protector	330.00
46	LH Roof Lining	320.00
47	LH Side Mirror	400.00
48	LH Side Skirts	450.00
49	LH Vent Glass	320.00
50	Mengecat Badan	3,000.00
51	Mengetuk Badan	730.00
52	Menyimen Badan	830.00
53	Panel Trunk	1,200.00
54	RH Fender	600.00



Bil.	Komponen Badan Toyota Fortuner	Harga (RM)
55	RH Fender Liner Shield Apron Seal/Guard	330.00
56	RH Front Fender Liner Protector	330.00
57	RH Roof Lining	320.00
58	RH Side Mirror	400.00
59	RH Side Skirts	450.00
60	RH Vent Glass	320.00
61	RH/LH Body Quarter	360.00
62	RH/LH Rocker Panel Skin	360.00
63	Roof Panel	320.00
64	RR Bumper	920.00
65	RR Bumper Assy	3,300.00
66	RR Bumper Lower Cover Assy	310.00
67	RR Bumper Reinforcement Assy	600.00
68	RR Hook Cap	310.00
69	RR LH Bonnet Damper	330.00
70	RR LH Door	1,700.00
71	RR LH Door Glass	800.00
72	RR LH Door Glass Moulding	280.00
73	RR LH Door Handle	280.00
74	RR LH Door Rubber	510.00
75	RR LH Fender Liner Splash Shield	250.00
76	RR LH Outer Door Handle	330.00
77	RR LH Outside Door Lining	330.00
78	RR LH Pin Lock Tow	280.00
79	RR LH Reflex Reflector Lamp Assy	310.00
80	RR LH/RH Door Handle	190.00
81	RR LH/RH Fender Liner Splash Shield	204.00
82	RR LH/RH Pin Lock Tow	260.00
83	RR LH/RH Reflex Reflector Lamp Assy	310.00



Bil.	Komponen Badan Toyota Fortuner	Harga (RM)
84	RR Quarter Panel	360.00
85	RR RH Bonnet Damper	330.00
86	RR RH Door	1,700.00
87	RR RH Door Glass	800.00
88	RR RH Door Glass Moulding	280.00
89	RR RH Door Handle	280.00
90	RR RH Door Rubber	510.00
91	RR RH Fender Liner Splash Shield	250.00
92	RR RH Outer Door Handle	330.00
93	RR RH Outside Door Lining	330.00
94	RR RH Pin Lock Tow	260.00
95	RR RH Reflex Reflector Lamp Assy	310.00
96	RR RH/LH Floor Mat	330.00
97	RR RH/LH Mud Flat	600.00
98	RR RH/LH Wheel Arch	400.00
99	RR Skirts	550.00
100	RR Windscreen	1,500.00
101	RR Wiper	170.00
102	Screen Panel	320.00
103	Scuttle	320.00
104	Sealant Heavy Duty	330.00
105	Side Step Assy	750.00
106	Spoiler	400.00
107	Tail Gate	1,650.00
108	UV Filter	260.00
109	Window Glass Lock Sliding	260.00
110	Windscreen Moulding	330.00
111	Wiper Arm	360.00



5.13 Sistem Dalaman Kenderaan Toyota Fortuner

Jadual 39 : Panduan Kadar Harga Sistem Dalaman Kenderaan Fortuner

Bil.	Komponen Dalaman Toyota Fortuner	Harga (RM)
1	Carpet	580.00
2	Dashboard	3,200.00
3	Driver Seat	1,500.00
4	Floor Mat	350.00
5	FR LH Door Trim	550.00
6	FR RH Door Trim	550.00
7	FR/RR RH/LH Seat Belt	700.00
8	FR/RR RH/LH Seat Belt Buckle	700.00
9	Hand Rest	400.00
10	Passenger Seat	2,900.00
11	RH/LH Sun Visor	300.00
12	Roof Lining	520.00
13	RR LH Door Trim	550.00
14	RR RH Door Trim	550.00



5.14 Sistem Hiburan Dalaman Toyota Fortuner

Jadual 40 : Panduan Kadar Harga Sistem Hiburan Dalaman Fortuner

Bil.	Komponen Hiburan Dalaman Toyota Fortuner	Harga (RM)
1	Radio	200.00
2	FR RH/LH Speakers	300.00
3	RR RH/LH Speakers	300.00
4	Radio Antenna	1,330.00



5.15 Assembly Set Toyota Fortuner

Jadual 41 : Panduan Kadar Harga Assembly Set Fortuner

Bil.	Assembly Set Toyota Fortuner	Harga (RM)
1	Radiator-Fan Motor, Radiator Upper Casing	2,600.00
2	Meter Panel-Fuel Gauge, Temperature Gauge, Engine Pressure Gauge, Air Pressure Gauge, Oil Pressure Gauge, Vacuum Pressure Gauge, Ammeter, Voltmeter, Odometer, Speedometer, Tachometer, Tripmeter, RPM Meter.	2,200.00
3	Steering Rack Assy- Steering Box (Rack & Pinion), Steering Box (Ball Bearing), Power Steering Pump, Power Steering Tank, Power Steering Hose (In), Power Steering Hose (Out), RH Tie Rod, LH Tie Rod, RH Tie Rod End, LH Tie Rod End, Electric Power Steering Pump.	3,400.00



5.16 Servis Toyota Fortuner

Jika terdapat sebarang pembekalan dan penggantian alat ganti yang terlibat dengan kerja-kerja tersebut, sila rujuk jadual kadar harga alat ganti yang berkenaan.

- * Kerja-kerja membuka, membekal dan memasang alat ganti baru sehingga berfungsi dengan sempurna.
- * Upah kerja servis dan baikpulih adalah berkadar dengan 20% daripada harga alat ganti yang digunakan.

Jadual 42 : Panduan Kadar Harga Servis Fortuner

Bil.	Servis Toyota Fortuner	Harga (RM)
1	<u>Sistem Tayar</u> Kerja - kerja men-servis untuk sistem Wheel sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Balancing, 1.2 Aligment, 1.3 Adjust camber dan caster, 1.4 Rotation tayar, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	400.00
2	<u>Sistem Brek</u> Kerja - kerja men-servis untuk sistem brake sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Bleeding Air In Brake Line, 1.2 Adjust parking brake, 1.3 Skimming rotor disc, 1.4 Mengganti brake fluid, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	500.00



Bil.	Servis Toyota Fortuner	Harga (RM)
3	<u>Sistem Penyejukan</u> Kerja - kerja men-servis untuk sistem penyejukan sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Cleaning radiator core, 1.2 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	400.00
4	<u>Sistem Enjin</u> Kerja - kerja men-servis untuk sistem enjin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti engine oil 1.2 Menganti oil filter 1.3 Menganti air filter 1.4 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	700.00
5	<u>Sistem Tranmisi</u> Kerja - kerja men-servis untuk sistem Tranmision sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti gearbox oil / ATF, 1.2 Menganti axle oil FR, 1.3 Menganti axle oil RR, 1.4 Menganti transfer box oil, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	800.00



Bil.	Servis Toyota Fortuner	Harga (RM)
6	<u>Sistem Stering</u> Kerja - kerja men-servis untuk sistem steering sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti power steering fluid, 1.2 Flushing power steering fluid, 1.3 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	400.00
7	<u>Sistem Penyaman Udara</u> Kerja - kerja men-servis untuk sistem penghawa dingin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Mengecas gas R134a 1.2 Menambah (Electronic Fuel Injection (EFI)) compressor oil 1.3 Mencuci cooling coil (Front & Rear) 1.4 Mencuci condenser 1.5 Mencuci blower 1.6 Menjalankan kerja-kerja vacuum dan ujian tekanan pada sistem. 1.7 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	700.00
8	<u>Sistem Elektrikal</u> Kerja - kerja scan/reset/setting Electronic Control Unit (ECU) dengan sempurna	300.00

6.0 PANDUAN INFORMASI – NISSAN XTRAIL

6.1 Gambar Nissan Xtrail



Gambar 3 : Pandangan Hadapan Kenderaan Xtrail

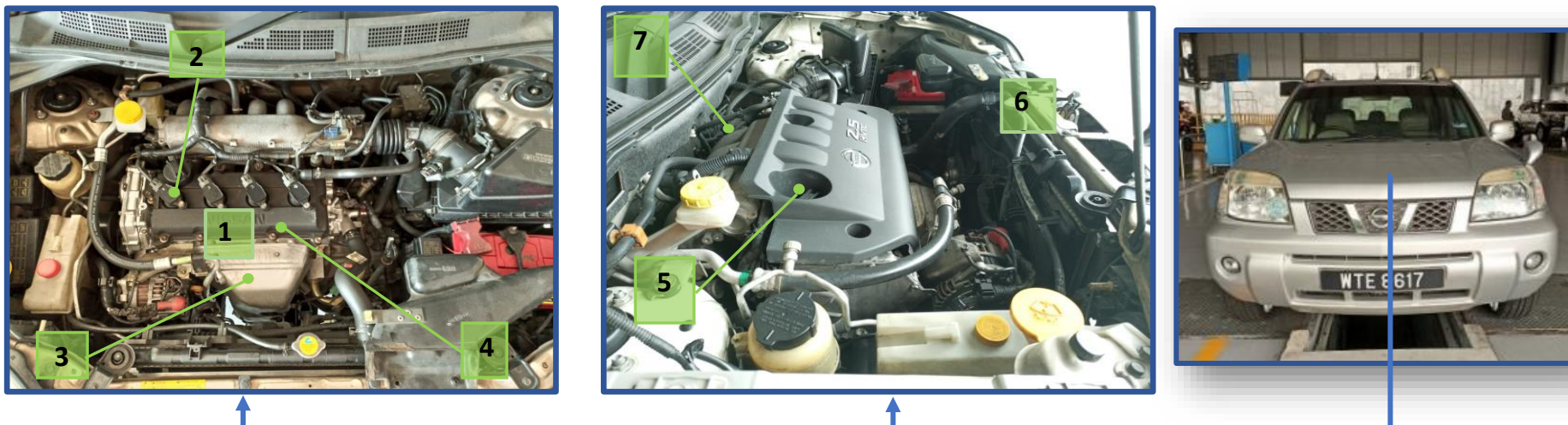


Gambar 4 : Pandangan Sisi Kenderaan Xtrail

Jadual 43 : Teknikal Data Nissan Xtrail

Bil	Perkara	Data Teknikal
1	Jenis Kenderaan	Jip
2	Tahun	2008 - 2010
3	Jenama dan Model	Nissan Xtrail
4	Keupayaan Enjin	2.5L
5	Bahan api	Petrol
6	Tranmisi	Automatik

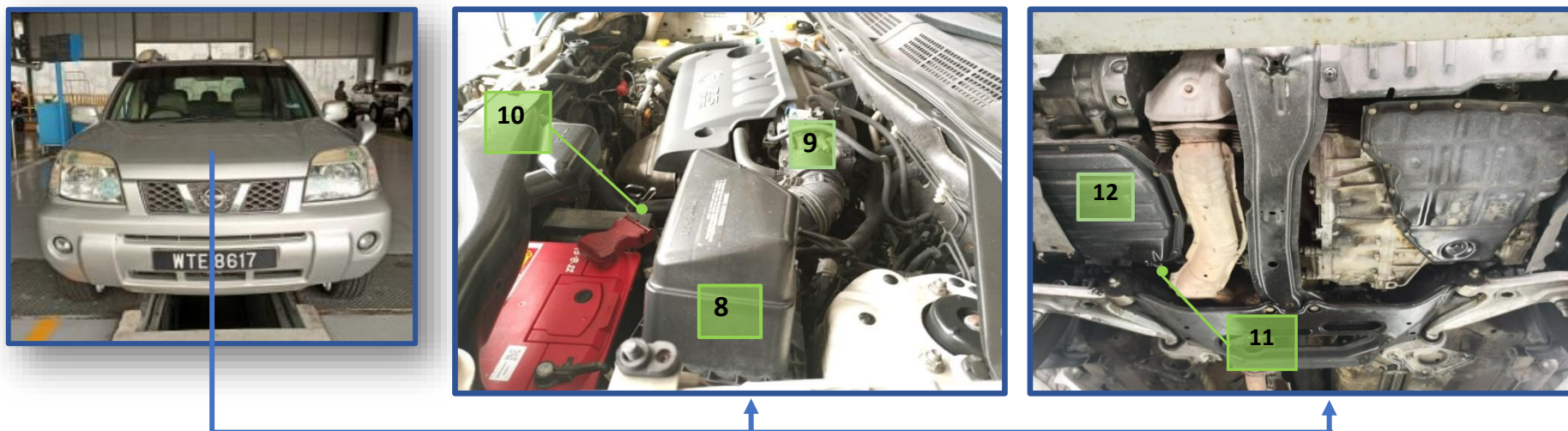
6.2 Gambarajah Sistem Enjin Nissan Xtrail



Gambarajah 25 : Komponen Bagi Sistem Enjin Nissan Xtrail (1)

Jadual 44 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Nissan Xtrail (1)

Nombor Rujukan	Deskripsi
1	Engine Assembly
2	Electronic Fuel Injection (EFI)
3	Exhaust Manifold
4	Rocker Cover
5	Engine Oil Cap
6	Radiator
7	Intake manifold

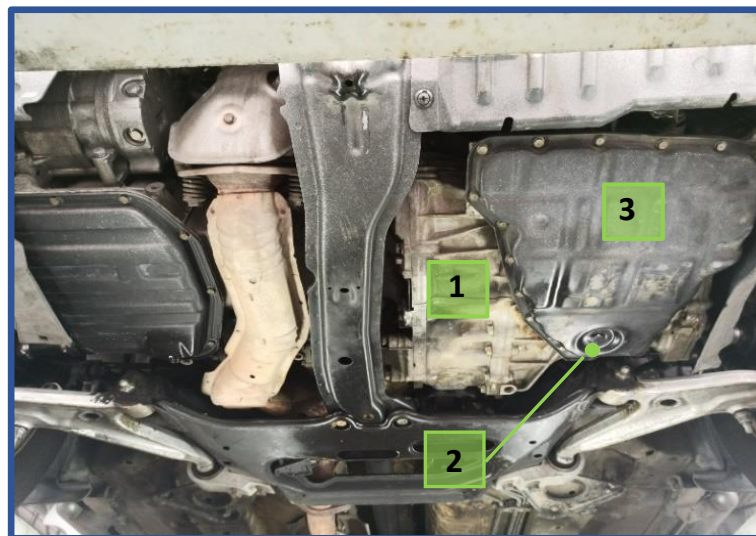
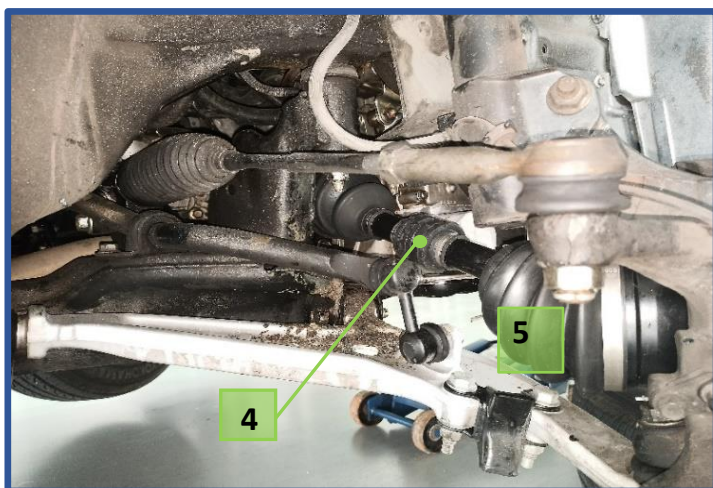


Gambarajah 26 : Komponen Bagi Sistem Enjin Nissan Xtrail (2)

Jadual 45 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Nissan Xtrail (2)

Nombor Rujukan	Deskripsi
8	Air Cleaner assembly
9	Throttle Body
10	Dipstick
11	Drain Plug
12	Oil Sump

6.3 Gambarajah Sistem Tranmisi Nissan Xtrail



Gambarajah 27 : Komponen Bagi Sistem Tranmisi Nissan Xtrail (1)

Jadual 46 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Nissan Xtrail (1)

Nombor Rujukan	Deskripsi
1	Gear box
2	Drain Plug
3	Gear Box Oil Sump
4	Front Drive Shaft
5	Drive Shaft Boot



Gambarajah 28 : Komponen Bagi Sistem Tranmisi Nissan Xtrail (2)

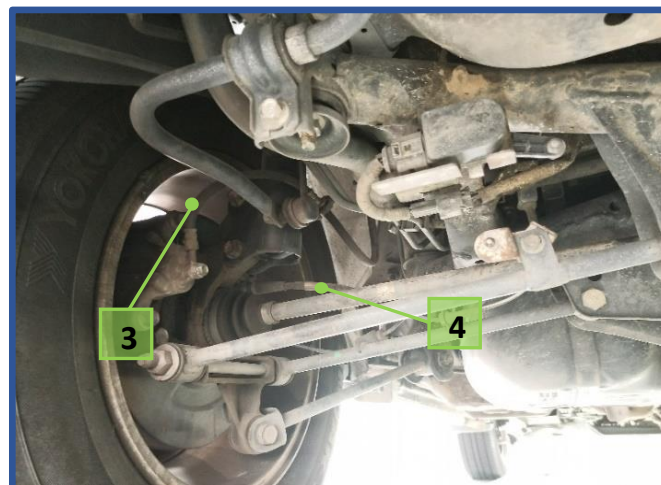
Jadual 47 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Nissan Xtrail (2)

Nombor Rujukan	Deskripsi
6	RR Drive Shaft
7	RR Differential
8	Propeller Shaft
9	RR Propeller Shaft Coupling

6.4 Gambarajah Sistem Brek Nissan Xtrail



Gambarajah 29 : Komponen Bagi Sistem Brek Nissan Xtrail (1)



Jadual 48 : Deskripsi Sebahagian Komponen Umum Sistem Brek Nissan Xtrail (1)

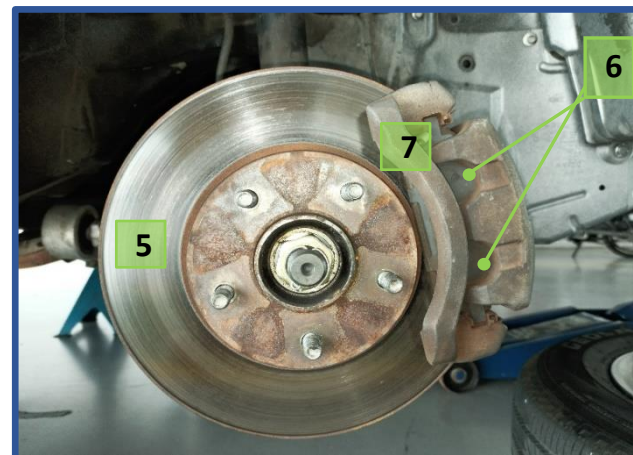
Nombor Rujukan	Deskripsi
1	Brake Fluid
3	Brake Hose Pipe
4	Hand Brake Cable



Gambarajah 30 : Komponen Bagi Sistem Brek Nissan Xtrail (2)

Jadual 49 : Deskripsi Sebahagian Komponen Umum Sistem Brek Nissan Xtrail (2)

Nombor Rujukan	Deskripsi
2	Rotor Disc Sensor
5	FR Rotor Disc
6	Brake Pad
7	Front Brake Pump (Calliper)



6.5 Gambarajah Sistem Penyaman Udara Nissan Xtrail

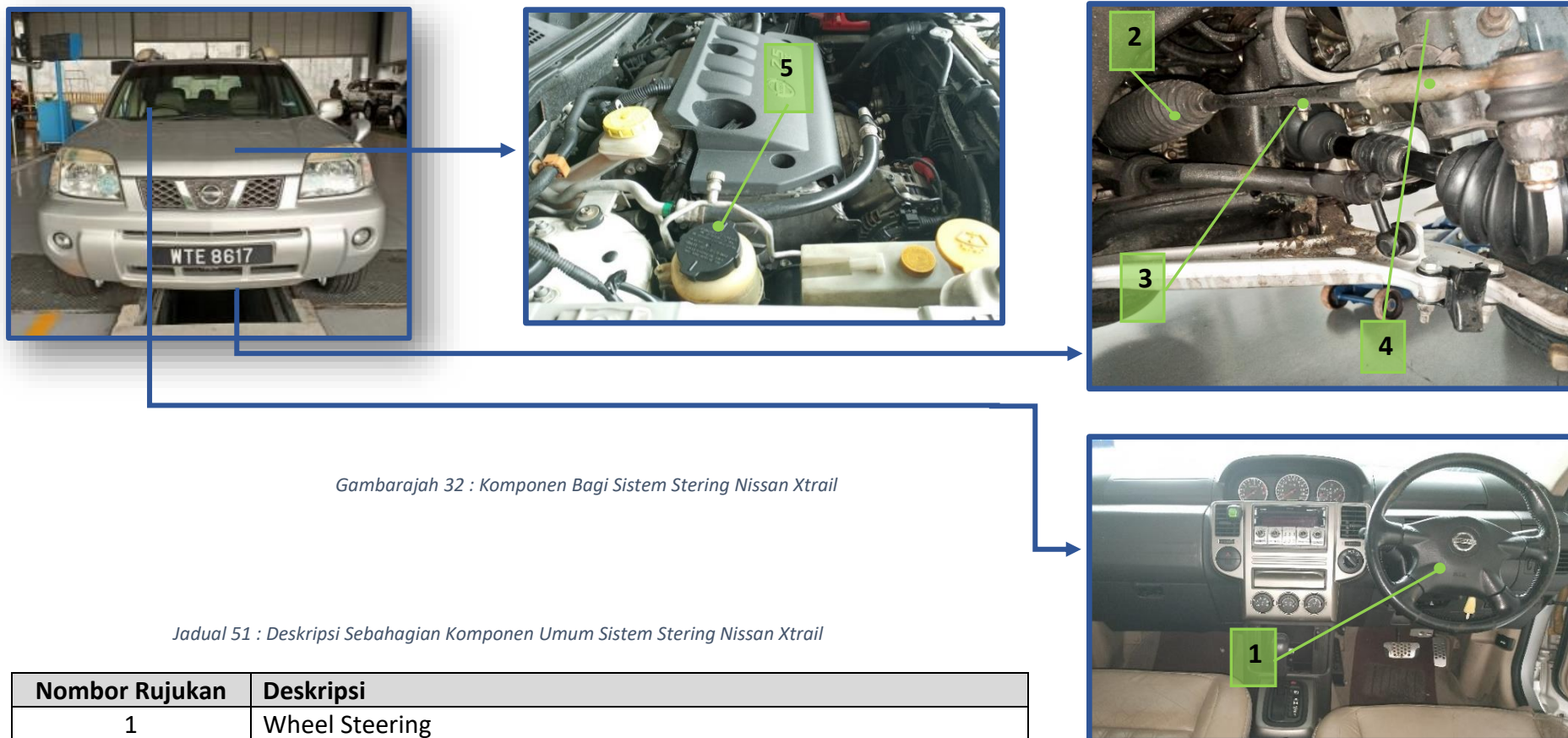


Gambarajah 31 : Komponen Bagi Sistem Penyaman Udara Nissan Xtrail

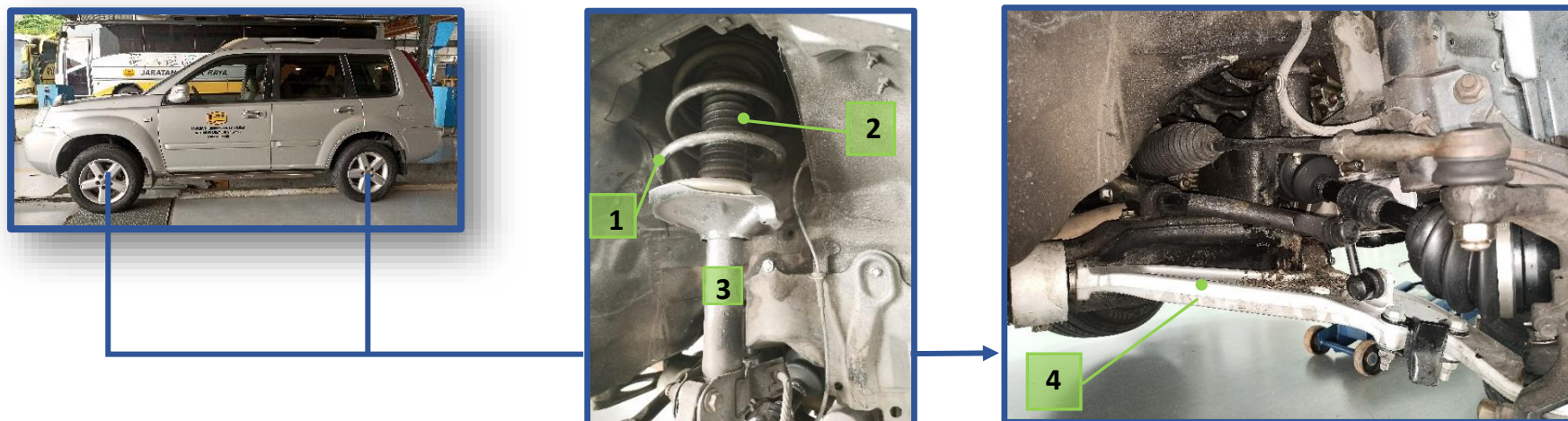
Jadual 50 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Nissan Xtrail

Nombor Rujukan	Deskripsi
1	A.C Fan Motor
2	A.C Compressor

6.6 Gambarajah Sistem Stering Nissan Xtrail



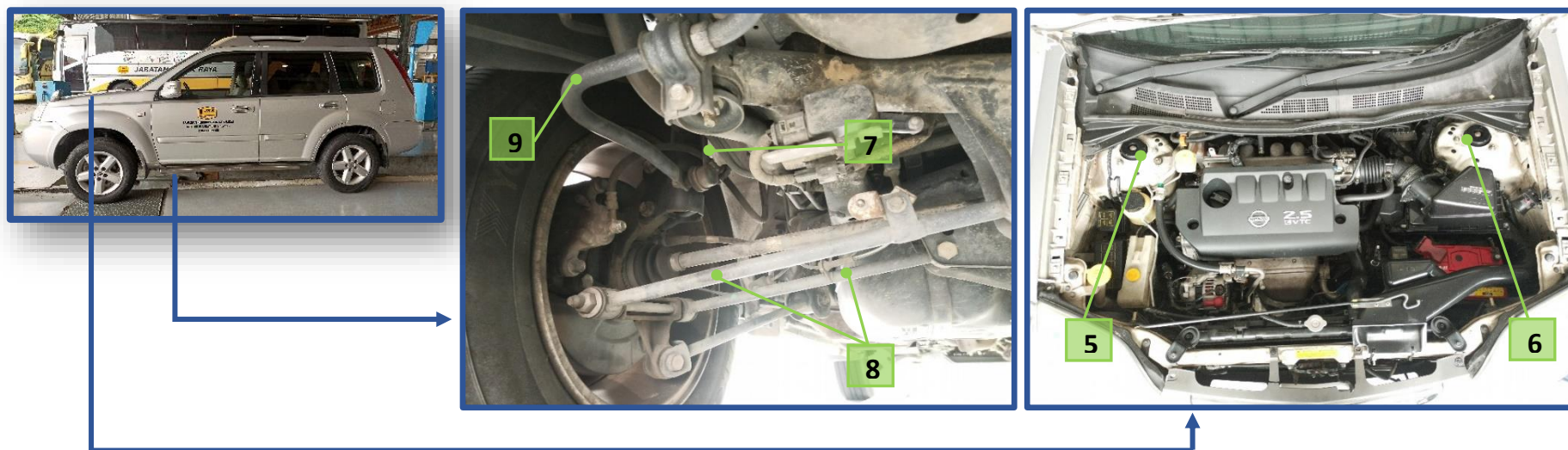
6.7 Gambarajah Sistem Suspension Nissan Xtrail



Gambarajah 33 : Komponen Bagi Sistem Suspension Nissan Xtrail (1)

Jadual 52 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Nissan Xtrail (1)

Nombor Rujukan	Deskripsi
1	FR Spring Coil
2	FR Absorber Dust Cover
3	FR Absorber
4	FR Lower Arm

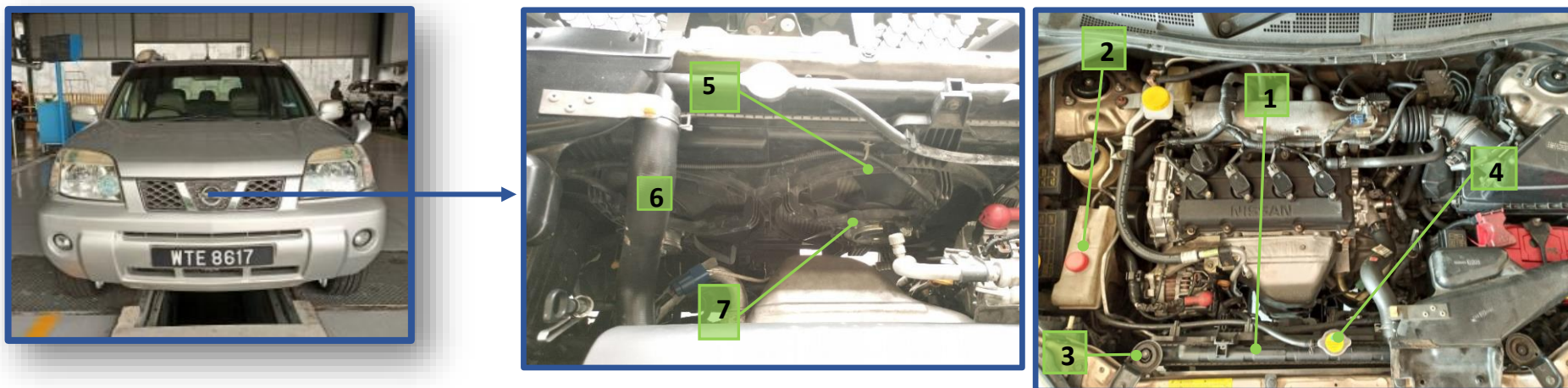


Gambarajah 34 : Komponen Bagi Sistem Suspension Nissan X-trail (2)

Jadual 53 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Nissan X-trail (2)

Nombor Rujukan	Deskripsi
5	RH Absorber Mounting
6	LH Absorber Mounting
7	RR Stabilizer Link
8	RR Lower Arm
9	RR Stabilizer Bar

6.8 Gambarajah Sistem Penyejukan Nissan Xtrail

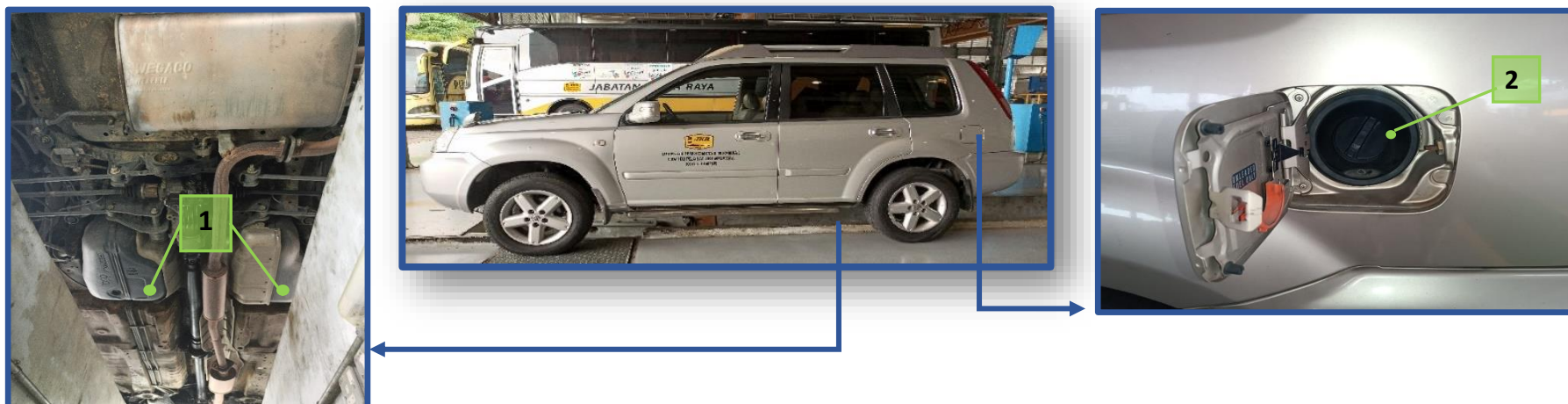


Gambarajah 35 : Komponen Bagi Sistem Penyejukan Nissan Xtrail

Jadual 54 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Nissan Xtrail

Nombor Rujukan	Deskripsi
1	Radiator
2	Expansion Tank
3	Radiator Mounting
4	Radiator Cap
5	Radiator Fan
6	Radiator Top Hose
7	Radiator Motor Fan

6.9 Gambarajah Sistem Bahan Api Nissan Xtrail

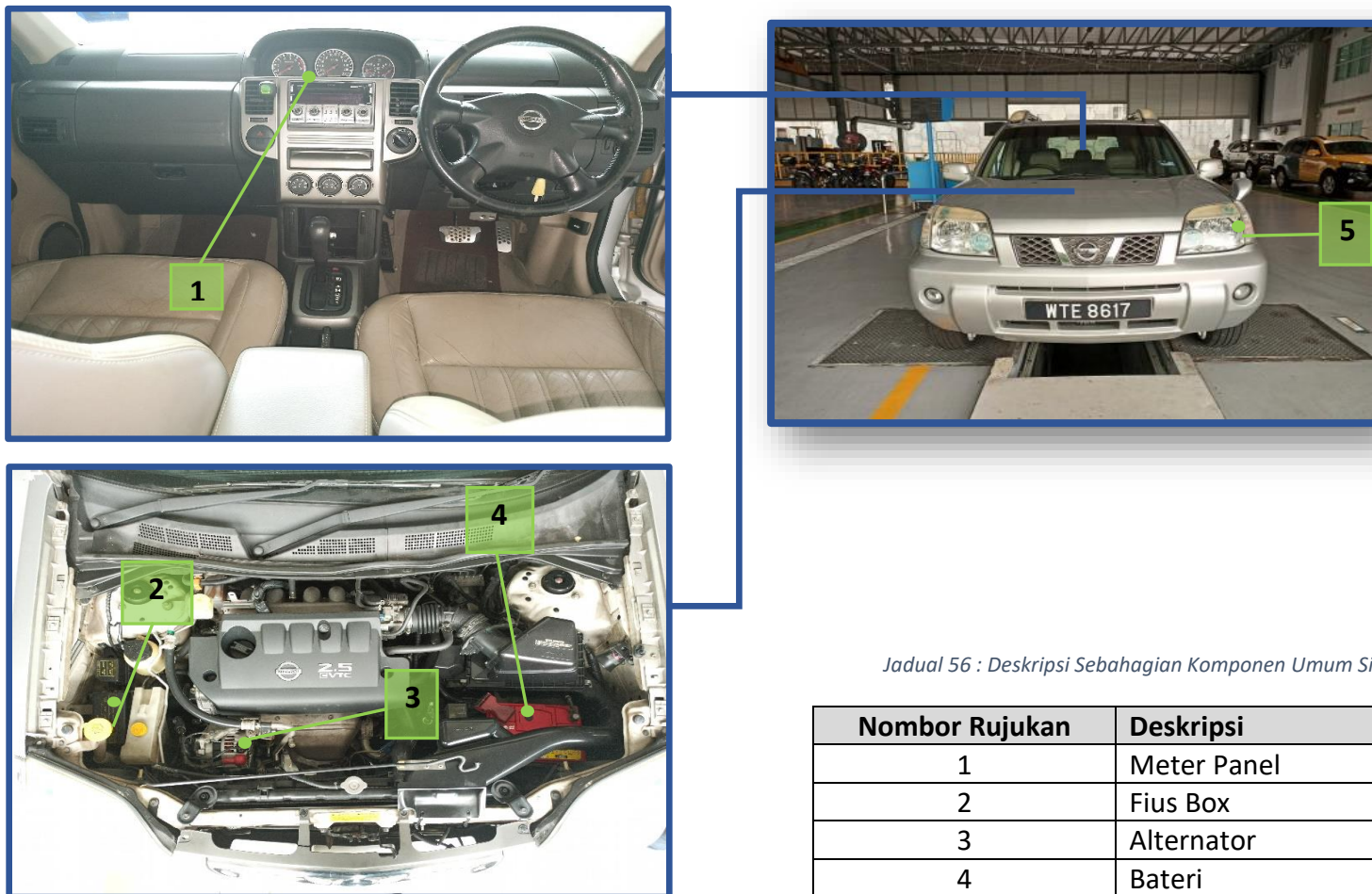


Gambarajah 36 : Komponen Bagi Sistem Bahan Api Nissan Xtrail

Jadual 55 : Deskripsi Sebahagian Komponen Umum Sistem Bahan Api Nissan Xtrail

Nombor Rujukan	Deskripsi
1	Fuel Tank
2	Fuel Tank Cap

6.10 Gambarajah Sistem Elektrikal Nissan Xtrail



Gambarajah 37 : Komponen Bagi Sistem Elektrikal Nissan Xtrail (1)

Jadual 56 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Nissan Xtrail (1)

Nombor Rujukan	Deskripsi
1	Meter Panel
2	Fius Box
3	Alternator
4	Bateri
5	Head Lamp



Gambarajah 38 : Komponen Bagi Sistem Elektrikal Nissan Xtrail (2)

Jadual 57 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Nissan Xtrail (2)

Nombor Rujukan	Deskripsi
6	RH/LH Fog Lamp
7	3 rd Brake Lamp
8	Plate Number Lamp
9	Reverse Lamp
10	Tail Lamp

6.11 Gambarajah Sistem Ekzos Nissan Xtrail



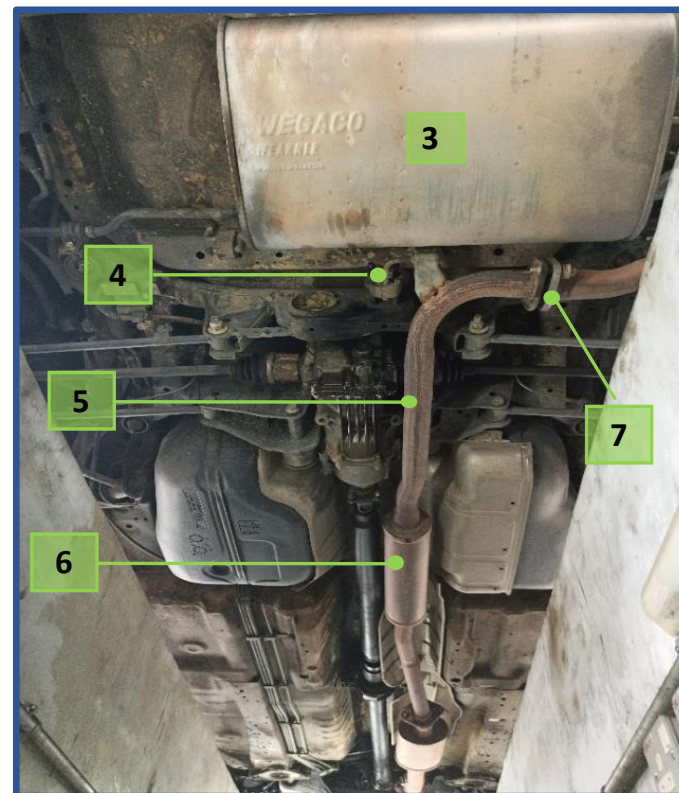
Gambarajah 39 : Komponen Bagi Sistem Ekzos Nissan Xtrail (1)

Jadual 58 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Nissan Xtrail (1)

Nombor Rujukan	Deskripsi
1	Exhaust Manifold
2	Catalytic Converter



Gambarajah 40 : Komponen Bagi Sistem Ekzos Nissan Xtrail (2)



Jadual 59 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Nissan Xtrail (2)

Nombor Rujukan	Deskripsi
3	Muffler
4	Exhaust Mounting
5	Exhaust Pipe
6	Resonator
7	Rear Gasket Exhaust

6.12 Gambarajah Sistem Tayar Nissan Xtrail

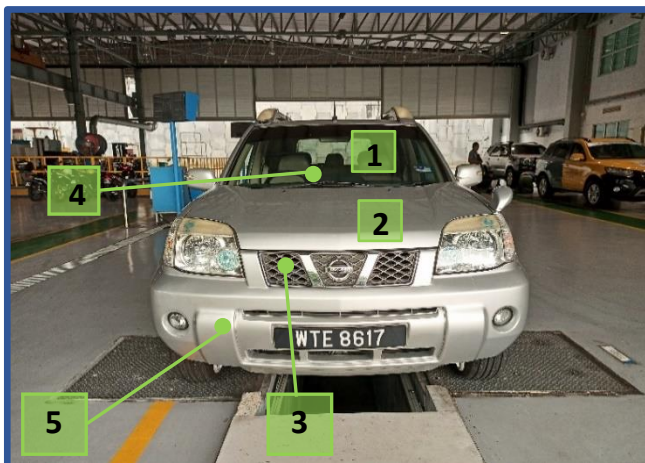


Gambarajah 41 : Komponen Bagi Sistem Tayar Nissan Xtrail

Jadual 60 : Deskripsi Sebahagian Komponen Umum Sistem Tayar Nissan Xtrail

Nombor Rujukan	Deskripsi
1	Wheel Stud
2	Wheel Rim
3	Wheel Nut
4	Tyre

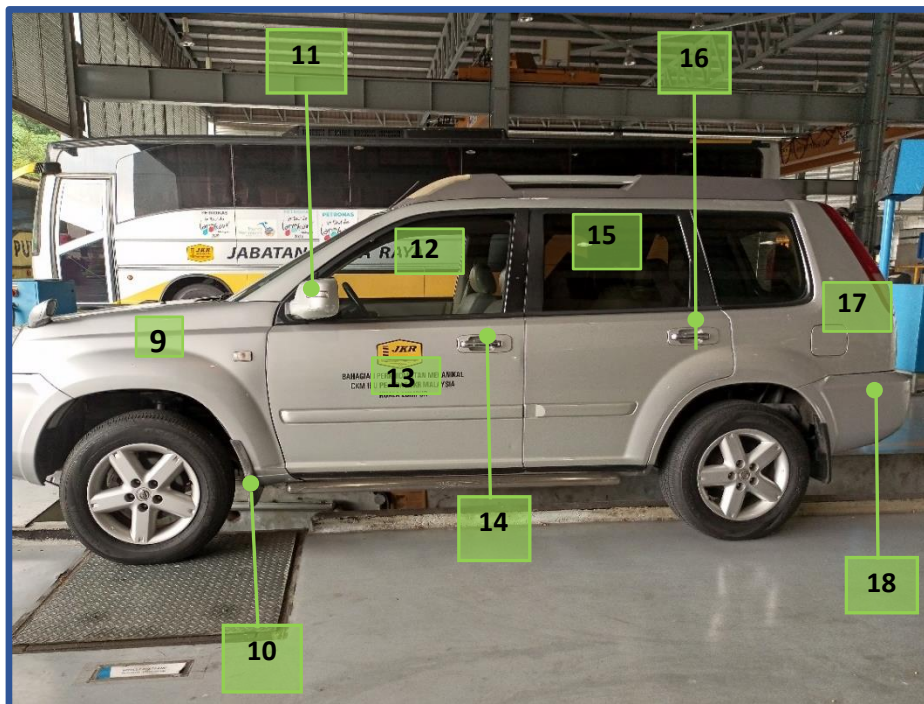
6.13 Gambarajah Sistem Badan Kenderaan Nissan Xtrail



Gambarajah 42 : Komponen Bagi Sistem Badan Kenderaan Nissan Xtrail (1)

Jadual 61 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Nissan Xtrail (1)

Nombor Rujukan	Deskrips
1	FR Windscreen
2	Bonnet
3	FR Grill
4	FR Wiper
5	FR Bumper
6	RR Windscreen
7	RR Wiper
8	Tail Gate



Gambarajah 43 : Komponen Bagi Sistem Badan Kenderaan Nissan Xtrail (2)

Jadual 62 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Nissan Xtrail (2)

Nombor Rujukan	Deskrips
9	Fender
10	Mud Flat
11	Side Mirror
12	FR Door Glass
13	FR Door
14	FR Outer Door Handle
15	RR Door Glass
16	RR Outer Door Handle
17	Quarter Panel
18	RR Bumper

6.14 Gambarajah Sistem Dalaman Kenderaan Nissan Xtrail



Gambarajah 44 : Komponen Bagi Sistem Dalaman Kenderaan Nissan Xtrail

Jadual 63 : Deskripsi Sebahagian Komponen Umum Sistem Dalaman Kenderaan Nissan Xtrail

Nombor Rujukan	Deskripsi
1	Seat Belt
2	Seat Belt Buckle
3	Muffler
4	Driver Seat
5	Dash Board
6	Floor Mat
7	Hand Rest



7.0 PANDUAN KADAR HARGA ALAT GANTI – NISSAN XTRAIL

7.1 Sistem Enjin Nissan Xtrail

Jadual 64 : Panduan Kadar Harga Sistem Enjin Xtrail

Bil.	Komponen Enjin Nissan Xtrail	Harga (RM)
1	Air Cleaner	120.00
2	Air Cleaner Intake Duct Tube	330.00
3	Air Filter Casing	720.00
4	Air Hose	150.00
5	Alternator Hose-Long	150.00
6	Alternator Hose-Short	220.00
7	Balancer Shaft	290.00
8	Belt	180.00
9	Camshaft	680.00
10	Camshaft Oil Seal	80.00
11	Camshaft pulley	350.00
12	Clutch Fan	580.00
13	Coil	290.00
14	Connecting Rod	550.00
15	Conrod Bearing	190.00
16	Crankshaft	1,500.00
17	Crankshaft Bearing	250.00
18	Crankshaft Oil Seal	100.00
19	Crankshaft pulley	390.00
20	Dipstick	120.00
21	Drain Plug	50.00
22	Electronic Fuel Injection (EFI)	280.00
23	Engine Block	10,200.00
24	Engine Mounting	500.00



Bil.	Komponen Enjin Nissan Xtrail	Harga (RM)
25	Engine Oil	180.00
26	Engine Oil Cooler	1,600.00
27	Engine Oil Fully Synthetic	250.00
28	Engine Oil Mineral	130.00
29	Engine Oil Pump Set	550.00
30	Engine Oil Semi Synthetic	170.00
31	Engine Oil Treatment	90.00
32	Exhaust Manifold	950.00
33	Exhaust Valve	100.00
34	Fan Motor	530.00
35	Fuel Filter	150.00
36	Fuel Injection Pump Oil Seal	140.00
37	Fuel Regulator In	250.00
38	Fuel Regulator Out	270.00
39	Fuel Timing Retard Control Cable	290.00
40	Gasket Oil Pump	90.00
41	Hose Intercooler	250.00
42	Hose Oil Cooler	200.00
43	Hydraulic Tensioner Damper	220.00
44	Idler Pulley No.1	190.00
45	Idler Pulley No.2	180.00
46	Injector	320.00
47	Intake manifold	1,400.00
48	Intake Valve	100.00
49	Main Pulley	430.00
50	Oil Cooler Pipe Hose	240.00
51	Oil Filter	50.00
52	Oil Pan Washer	20.00
53	Oil Pressure Switch	130.00



Bil.	Komponen Enjin Nissan Xtrail	Harga (RM)
54	Oil Pump	1,500.00
55	Oil Sum Gasket	90.00
56	Oil Sump	490.00
57	Overhaul Gasket Set	680.00
58	Pipe Line Petrol	360.00
59	Piston	960.00
60	Piston Pin	160.00
61	Piston Ring	460.00
62	Plug O-Ring	30.00
63	Push Rod	280.00
64	Radiator	670.00
65	Retarder Oil	470.00
66	Rocker Arm	280.00
67	Rocker Cover	480.00
68	Spark Plug	130.00
69	Spring Valve Exhaust	80.00
70	Spring Valve Intake	80.00
71	Steering Box	2,600.00
72	Tachometer Drive	1,400.00
73	Tensioner Bearing	750.00
74	Throttle Body	3,100.00
75	Timing Cam Shaft Gear	550.00
76	Timing Chain	800.00
77	Timing Chain Set	1,100.00
78	Valve Cover Gasket	90.00
79	Valve Cover Oil Seal	160.00
80	Valve Solenoid	540.00
81	Valve Cover Hose	150.00
82	Valve Pin	140.00



Bil.	Komponen Enjin Nissan Xtrail	Harga (RM)
83	Water Jacket	50.00
84	Water Separator Filter	450.00



7.2 Sistem Tranmisi Nissan Xtrail

Jadual 65 : Panduan Kadar Harga Sistem Tranmisi Xtrail

Bil.	Komponen Tranmisi Nissan Xtrail	Harga (RM)
1	4x4 Gear Level Boot	370.00
2	ATF Filter	180.00
3	ATF Oil 1Litre	120.00
4	ATF Oil 4 Litre	200.00
5	ATF Oil 5litre	190.00
6	ATF Treatment	150.00
7	Bearing	340.00
8	Breather Hose	390.00
9	Crown Wheel Gear	6,200.00
10	Drain Plug	180.00
11	Flywheel Bearing	390.00
12	Flywheel Oil Seal	180.00
13	Forward Reverse Gear	340.00
14	FR Axle Oil EP90	180.00
15	FR LH Drive Shaft	740.00
16	FR LH Inner Drive Shaft Dust Cover	90.00
17	FR LH Outer Drive Shaft Dust Cover	90.00
18	FR Propeller Shaft Coupling	200.00
19	FR RH Drive Shaft	700.00
20	FR RH Inner Drive Shaft Dust Cover	100.00
21	FR RH Outer Drive Shaft Dust Cover	90.00
22	FR Universal Joint	130.00
23	Gear Level Boot	150.00
24	Gear Lever	480.00
25	Gearbox Automatic	24,400.00



Bil.	Komponen Tranmisi Nissan Xtrail	Harga (RM)
26	Gearbox Breather Hose	230.00
27	Gearbox Gasket	200.00
28	Gearbox Manual	18,700.00
29	Gearbox Mounting	550.00
30	Gearbox Oil 5litre	250.00
31	Gearbox Overhaul Gasket Set	170.00
32	LH Drive Shaft Oil Seal	80.00
33	Long Shaft	1,000.00
34	Mounting and Differential Lock	400.00
35	O Ring	40.00
36	Oil Cooler Hose	300.00
37	Oil Pump	750.00
38	Oil Seal	250.00
39	Oil Seal Shaft	100.00
40	One Way Bearing Set	1,400.00
41	Pinion Gear	2,700.00
42	Planetary Gear	270.00
43	Propeller Shaft	1,100.00
44	Rear Axle Oil Seal	150.00
45	Rear Differential Oil	180.00
46	RH Drive Shaft Oil Seal	90.00
47	RR Axle Oil EP140	200.00
48	RR LH Inner Drive Shaft Dust Cover	90.00
49	RR LH Outer Drive Shaft Dust Cover	90.00
50	RR Propeller Shaft Coupling	200.00
51	RR Universal Joint	500.00
52	Transfer Assy	1,300.00
53	Transfer Box Mounting	250.00
54	Transfer Case Oil	230.00



Bil.	Komponen Tranmisi Nissan Xtrail	Harga (RM)
55	Transfer Oil	150.00
56	Transfer Oil LSD	150.00
57	Transfer Overhaul Kit	200.00
58	Universal Joint	150.00
59	Valve Body	1,000.00



7.3 Sistem Brek Nissan Xtrail

Jadual 66 : Panduan Kadar Harga Sistem Brek Xtrail

Bil.	Komponen Brek Nissan Xtrail	Harga (RM)
1	Air Pressure Pipe Line	750.00
2	Brake Air Booster	1,700.00
3	Brake Booster	2,000.00
4	Brake Fluid	90.00
5	Brake Pedal Stopper Rubber	250.00
6	Brake Pipe Line	400.00
7	Brake Reservoir Tank	240.00
8	FR Brake Repair Kit	250.00
9	FR LH Brake Hose Pipe	180.00
10	FR LH Brake Pump (Calliper)	1,200.00
11	FR LH Rotor Disc	550.00
12	FR RH Brake Hose Pipe	180.00
13	FR RH Brake Pump (Calliper)	1,200.00
14	FR RH Rotor Disc	550.00
15	FR RH/LH Brake Pad	280.00
16	FR RH/LH Rotor Disc Sensor	490.00
17	Hand Brake Cable	350.00
18	Parking Brake Shoe	250.00
19	RR LH Brake Pump (Calliper)	950.00
20	RR LH Rotor Disc	450.00
21	RR RH Brake Pump	480.00
22	RR RH Brake Pump (Calliper)	950.00
23	RR RH Rotor Disc	450.00
24	RR RH/LH Brake Pad	250.00
25	RR RH/LH Rotor Disc Sensor	490.00



Bil.	Komponen Brek Nissan Xtrail	Harga (RM)
26	Skim FR RH/LH Rotor Disc	200.00
27	Skim RR RH/LH Rotor Disc	200.00



7.4 Sistem Penyaman Udara Nissan Xtrail

Jadual 67 : Panduan Kadar Harga Sistem Penyaman Udara Xtrail

Bil.	Komponen Penyaman Udara Nissan Xtrail	Harga (RM)
1	A.C Compressor	2,000.00
2	A.C Condenser	890.00
3	A.C Receiver Drier	270.00
4	A.C Expansion Valve	300.00
5	A.C Blower	440.00
6	A.C Switch	270.00
7	A.C Cooling Coil	730.00
8	A.C Gas	230.00
9	Compressor Oil	130.00
10	High Pressure Pipe	330.00
11	Low Pressure Pipe	330.00
12	Cabin Filter	170.00
13	Blower Switch	350.00
14	O Ring	30.00
15	Belting	100.00
16	FR Expansion Valve	260.00
17	RR Expansion Valve	330.00
18	Pressure Switch	200.00
19	Drier	230.00
20	Tensioner	320.00
21	Hose / Pipe	330.00
22	A.C Compressor Bracket	290.00
23	Fan Motor	330.00



7.5 Sistem Stering Nissan Xtrail

Jadual 68 : Panduan Kadar Harga Sistem Stering Xtrail

Bil.	Komponen Stering Nissan Xtrail	Harga (RM)
1	Idler Arm	1,100.00
2	LH Knuckle	1,180.00
3	LH Steering Rack Bush	130.00
4	LH Tie Rod	230.00
5	LH Tie Rod End	200.00
6	Power Steering Fluid	90.00
7	Power Steering Hose (In)	290.00
8	Power Steering Hose (Out)	400.00
9	Power Steering Pump	1,200.00
10	Power Steering Tank	130.00
11	Return Hose	200.00
12	RH Knuckle	1,200.00
13	RH Steering Rack Bush	150.00
14	RH Tie Rod	240.00
15	RH Tie Rod End	200.00
16	Steering Box (Ball Bearing)	330.00
17	Steering Box (Rack & Pinion)	1,900.00
18	Steering Coupling	360.00
19	Steering Shaft Boot Cover	160.00
20	Suction Hose	260.00
21	Wheel Steering	1,900.00



7.6 Sistem Suspension Nissan Xtrail

Jadual 69 : Panduan Kadar Harga Sistem Suspension Xtrail

Bil.	Komponen Suspension Nissan Xtrail	Harga (RM)
1	FR RH Absorber	490.00
2	FR LH Absorber	490.00
3	RR RH Absorber	460.00
4	RR LH Absorber	460.00
5	FR Stabilizer Link	250.00
6	RR Stabilizer Link	250.00
7	RH Stabilizer Bar Bush	150.00
8	FR RH Lower Arm	450.00
9	FR LH Lower Arm	450.00
10	FR RH Upper Arm	540.00
11	FR LH Upper Arm	540.00
12	FR RH Spring Coil	380.00
13	FR LH Spring Coil	380.00
14	RR RH/Lh Spring Bush	150.00
15	FR RH Lower Arm Ball Joint	300.00
16	FR LH Lower Arm Ball Joint	300.00
17	LH Stabilizer Bar Bush	150.00
18	Tie Rod End Out	250.00
19	Tie Rod End In	150.00
20	Upper Arm Bush	150.00
21	Lower Arm Bush B	160.00
22	Lower Arm Bush S	140.00
23	RH Absorber Mounting	250.00
24	LH Absorber Mounting	250.00
25	Rack End	260.00



Bil.	Komponen Suspension Nissan Xtrail	Harga (RM)
26	LH Absorber Dust Cover	100.00
27	RH Absorber Dust Cover	100.00
28	RR RH Stabilizer Bar Bush	130.00
29	RR LH Stabilizer Bar Bush	130.00
30	RR LH Bump Stopper	140.00
31	RR RH Bump Stopper	140.00
32	LH/RH Absorber Dust Cover	150.00
33	LH/RH Stabilizer Link	280.00
34	LH/RH Stabilizer Bush Bar	140.00
35	Pit Man Arm	450.00
36	Spring Colum	950.00



7.7 Sistem Penyejukan Nissan Xtrail

Jadual 70 : Panduan Kadar Harga Sistem Penyejukan Xtrail

Bil.	Komponen Penyejukan Nissan Xtrail	Harga (RM)
1	Belting	180.00
2	By Pass Hose	100.00
3	By Pass Hose (Big)	140.00
4	By Pass Hose (Small)	120.00
5	By Pass Piping	110.00
6	Engine Coolant Piper O Ring	100.00
7	Engine Oil Cooler	950.00
8	Expansion Tank	200.00
9	Heater Hose	120.00
10	Hose Clip	30.00
11	Lower Hose	140.00
12	Radiator Bottom Hose	90.00
13	Radiator Cap	70.00
14	Radiator Coolant	70.00
15	Radiator Fan	240.00
16	Radiator Hose Upper Bracket	360.00
17	Radiator Motor Fan	540.00
18	Radiator Top Hose	90.00
19	Radiator Upper Casing	190.00
20	Thermostat	180.00
21	Throttle Body Hose	100.00
22	Tube Assy Oil Cooler	300.00
23	Upper Hose	150.00
24	Water Pump	540.00
25	Water Pump Pipe	240.00



7.8 Sistem Bahan Api Nissan Xtrail

Jadual 71 : Panduan Kadar Harga Sistem Bahan Api Xtrail

Bil.	Komponen Bahan Api Nissan Xtrail	Harga (RM)
1	Fuel Filter	150.00
2	Fuel Filter Mirror	400.00
3	Fuel Gauge	480.00
4	Fuel Pipe Line	220.00
5	Fuel Pump	850.00
6	Fuel Pump ACC Pump	480.00
7	Fuel Pump Valve	340.00
8	Fuel Pump Gasket Kit	350.00
9	Fuel Pump Nozzle Injector	420.00
10	Fuel Pump Plunger	590.00
11	Fuel Regulator In	270.00
12	Fuel Regulator Out	270.00
13	Fuel Tank	2,100.00
14	Fuel Tank Cap	130.00
15	Fuel Tank Cap O Ring	60.00
16	Injector Pump	1,500.00
17	Petrol A.C Pump	330.00
18	Petrol Filter	100.00
19	Tank Neck Hose	130.00



7.9 Sistem Elektrikal Nissan Xtrail

Jadual 72 : Panduan Kadar Harga Sistem Elektrikal Xtrail

Bil.	Komponen Elektrikal Nissan Xtrail	Harga (RM)
1	3rd Brake Lamp	290.00
2	Accelerator Pedal Position Sensor c/w Pedal	870.00
3	Air Flow Sensor	220.00
4	Air Pressure Gauge	440.00
5	Alarm Remote Case Cover	290.00
6	Alarm System	990.00
7	Alternator	1,480.00
8	Alternator Belt	170.00
9	Ammeter	370.00
10	Bateri	490.00
11	Beacon Light	420.00
12	Bulb Brake Lamp	70.00
13	Bulb Head Lamp	120.00
14	Bulb T10	130.00
15	Bulb T5	120.00
16	Bulb Tail Lamp	70.00
17	Camshaft Sensor	260.00
18	Clips	20.00
19	Coil Wire Socket Male	140.00
20	Crankshaft Sensor	290.00
21	Dim Light	430.00
22	Distributor	2,000.00
23	Electronic Control Unit (ECU)	1,100.00
24	EGR Vacuum Solenoid	470.00
25	Engine Pressure Gauge	430.00



Bil.	Komponen Elektrikal Nissan Xtrail	Harga (RM)
26	Fan Belt	190.00
27	Fius Box	270.00
28	FR LH Bumper Lamp	150.00
29	FR LH Power Window Motor	470.00
30	FR RH Bumper Lamp	150.00
31	FR RH Power Window Motor	470.00
32	Fuel Gauge	530.00
33	Fuse 10A	20.00
34	Fuse 15A	20.00
35	Fuse 20A	20.00
36	Fuse 25A	20.00
37	Fuse 5A	20.00
38	Hazard Light	580.00
39	Horn	170.00
40	Idle Air Control Sensor	270.00
41	Ignition Coil	400.00
42	Ignition Key	340.00
43	Ignition Switch	330.00
44	Intake Air Temperature Sensor	270.00
45	Inverter 150w	830.00
46	LH Break Lamp	620.00
47	LH Bulb - Brake Lamp	50.00
48	LH Head Lamp	1,100.00
49	LH Side Marker Light	220.00
50	LH Tail Lamp Bulb	50.00
51	Map Sensor	300.00
52	Mass Air Flow	300.00
53	Meter Panel	1,250.00
54	Odometer	450.00



Bil.	Komponen Elektrikal Nissan Xtrail	Harga (RM)
55	Oil Pressure Gauge	550.00
56	Oxygen Sensor Lower	460.00
57	Oxygen Sensor Upper	240.00
58	Plate Number Bulb	50.00
59	Plate Number Lamp	90.00
60	Power Window Main Switch	330.00
61	Relay Power Window	240.00
62	Relay Side Mirror	230.00
63	Reverse Camera	450.00
64	Reverse Lamp	130.00
65	Reverse Sensor	290.00
66	RH Break Lamp	650.00
67	RH Bulb - Brake Lamp	50.00
68	RH Head Lamp	1,100.00
69	RH Side Marker Light	230.00
70	RH Tail Lamp Bulb	50.00
71	RH/LH Fog Lamp	330.00
72	Roof Light	240.00
73	RPM Meter	270.00
74	RR LH Bumper Lamp	150.00
75	RR LH Power Window Motor	470.00
76	RR LH/RH Bumper Lamp	150.00
77	RR RH Bumper Lamp	150.00
78	RR RH Power Window Motor	470.00
79	Solenoid Switch	280.00
80	Speedometer	540.00
81	Sport Light	220.00
82	Starter Carbon	150.00
83	Starter Motor	1,500.00



Bil.	Komponen Elektrikal Nissan Xtrail	Harga (RM)
84	Starter Regulator	330.00
85	Steering Clock Spring	230.00
86	Tachometer	290.00
87	Temperature Gauge	550.00
88	Thermostat Switch Sensor	250.00
89	Throttle Position Sensor	260.00
90	Tripmeter	270.00
91	Vacuum Pressure Gauge	470.00
92	Voltmeter	390.00
93	Washer Tank Motor	170.00
94	Wiper Motor	600.00
95	Wiring	750.00
96	Wiring Radio	350.00
97	Wiring Starter Motor	390.00



7.10 Sistem Ekzos Nissan Xtrail

Jadual 73 : Panduan Kadar Harga Sistem Ekzos Xtrail

Bil.	Komponen Ekzos Nissan Xtrail	Harga (RM)
1	Catalytic Converter	2,600.00
2	Exhaust Manifold	1,700.00
3	Exhaust Mounting	300.00
4	Exhaust Pipe	700.00
5	LH Exhaust Muffler Tip Stainless Steel Pipe	730.00
6	Muffler	1,200.00
7	Rear Gasket Exhaust	170.00
8	Resonator	680.00
9	RH Exhaust Muffler Tip Stainless Steel Pipe	730.00



7.11 Sistem Tayar Nissan Xtrail

Jadual 74 : Panduan Kadar Harga Sistem Tayar Xtrail

Bil.	Komponen Tayar Nissan Xtrail	Harga (RM)
1	Alignment	90.00
2	Balancing	70.00
3	Camber	180.00
4	Caster	170.00
5	Flap	90.00
6	FR RH/LH Wheel Bearing	280.00
7	FR RH/LH Wheel Bearing Oil Seal	140.00
8	Idle Arm	630.00
9	Pit Man Arm	690.00
10	RR RH/LH Wheel Bearing	280.00
11	RR RH/LH Wheel Bearing Oil Seal	140.00
12	Spare Tyre	630.00
13	Tyre 1pcs	550.00
14	Tyre 2pcs	1,100.00
15	Tyre 3pcs	1,600.00
16	Tyre 4pcs	2,200.00
17	Tyre 5pcs	2,700.00
18	Tyre 6pcs	3,300.00
19	Tyre Tube	150.00
20	Valve Stem	250.00
21	Wheel Nut	100.00
22	Wheel Rim	1,100.00
23	Wheel Stud	100.00



7.12 Sistem Badan Kenderaan Nissan Xtrail

Jadual 75 : Panduan Kadar Harga Sistem Badan Kenderaan Xtrail

Bil.	Komponen Badan Nissan Xtrail	Harga (RM)
1	Arm Rest	470.00
2	Back Door Outer Handle	150.00
3	Base (Floor)	670.00
4	Bonnet	1,050.00
5	Centre Pillar	770.00
6	Centre Tunnel	530.00
7	Cermin Pandang Belakang	190.00
8	Clip, Nut, Bracket	150.00
9	Clips	90.00
10	Coating	670.00
11	Emblem	160.00
12	FR Bumper	1,600.00
13	FR Grill	430.00
14	FR LH Bonnet Damper	370.00
15	FR LH Door	1,200.00
16	FR LH Door Glass	450.00
17	FR LH Door Glass Moulding	390.00
18	FR LH Door Handle	190.00
19	FR LH Door Rubber	300.00
20	FR LH Outer Door Handle	150.00
21	FR LH Outside Door Lining	390.00
22	FR LH Window Regulator Handle	170.00
23	FR LH/RH Door Handle	190.00
24	FR Panel	980.00
25	FR RH Bonnet Damper	370.00



Bil.	Komponen Badan Nissan Xtrail	Harga (RM)
26	FR RH Door	1,200.00
27	FR RH Door Glass	460.00
28	FR RH Door Glass Moulding	390.00
29	FR RH Door Handle	190.00
30	FR RH Door Rubber	300.00
31	FR RH Outer Door Handle	150.00
32	FR RH Outside Door Lining	380.00
33	FR RH Window Regulator Handle	170.00
34	FR RH/LH Floor Mat	220.00
35	FR RH/LH Mud Flat	220.00
36	FR RH/LH Wheel Arch	290.00
37	FR Skirts	390.00
38	FR Spar	440.00
39	FR Windscreen	1,400.00
40	FR Wiper	90.00
41	FR/RR LH/RH Door Handle	190.00
42	Hood	590.00
43	LH Fender	740.00
44	LH Fender Liner Shield Apron Seal/Guard	370.00
45	LH Front Fender Liner Protector	270.00
46	LH Roof Lining	380.00
47	LH Side Mirror	490.00
48	LH Side Skirts	390.00
49	LH Vent Glass	390.00
50	Mengecat Badan	3,300.67
51	Mengetuk Badan	1,260.00
52	Menyimen Badan	960.00
53	Panel Trunk	840.00
54	Polish	280.00



Bil.	Komponen Badan Nissan Xtrail	Harga (RM)
55	RH Fender	740.00
56	RH Fender Liner Shield Apron Seal/Guard	370.00
57	RH Front Fender Liner Protector	270.00
58	RH Roof Lining	390.00
59	RH Side Mirror	490.00
60	RH Side Skirts	390.00
61	RH Vent Glass	370.00
62	RH/LH Body Quarter	580.00
63	RH/LH Rocker Panel Skin	580.00
64	Roof Panel	540.00
65	RR Bumper	1,200.00
66	RR Hook Cap	330.00
67	RR LH Bonnet Damper	190.00
68	RR LH Door	1,200.00
69	RR LH Door Glass	450.00
70	RR LH Door Glass Moulding	390.00
71	RR LH Door Handle	190.00
72	RR LH Door Rubber	300.00
73	RR LH Fender Liner Splash Shield	260.00
74	RR LH Outer Door Handle	160.00
75	RR LH Outside Door Lining	390.00
76	RR LH Window Regulator Handle	170.00
77	RR LH/RH Door Handle	180.00
78	RR LH/RH Fender Liner Splash Shield	330.00
79	RR Quarter Panel	580.00
80	RR RH Bonnet Damper	190.00
81	RR RH Door	1,200.00
82	RR RH Door Glass	460.00
83	RR RH Door Glass Moulding	390.00



Bil.	Komponen Badan Nissan Xtrail	Harga (RM)
84	RR RH Door Handle	190.00
85	RR RH Door Rubber	300.00
86	RR RH Fender Liner Splash Shield	260.00
87	RR RH Outer Door Handle	150.00
88	RR RH Outside Door Lining	380.00
89	RR RH Window Regulator Handle	180.00
90	RR RH/LH Floor Mat	220.00
91	RR RH/LH Mud Flat	210.00
92	RR RH/LH Wheel Arch	290.00
93	RR Skirts	430.00
94	RR Windscreen	1,300.00
95	RR Wiper	90.00
96	Screen Panel	530.00
97	Scuttle	450.00
98	Sealant Heavy Duty	180.00
99	Seat	1,400.00
100	Seat Cover	470.00
101	Spoiler	330.00
102	Tail Gate	1,800.00
103	UV Filter	190.00
104	Window Glass Lock Sliding	390.00
105	Windscreen Moulding	550.00
106	Wiper Arm	230.00



7.13 Sistem Dalaman Kenderaan Nissan Xtrail

Jadual 76 : Panduan Kadar Harga Sistem Dalaman Kenderaan Xtrail

Bil.	Komponen Dalaman Nissan Xtrail	Harga (RM)
1	Carpet	330.00
2	Cover Dashboard	280.00
3	Dashboard	2,100.00
4	Driver Seat	830.00
5	Floor Mat	460.00
6	FR LH Door Trim	360.00
7	FR RH Door Trim	360.00
8	FR/RR RH/LH Seat Belt	470.00
9	FR/RR RH/LH Seat Belt Buckle	470.00
10	Hand Rest	430.00
11	Passenger Seat	1,200.00
12	RH/LH Sun Visor	340.00
13	Roof Lining	770.00
14	RR LH Door Trim	360.00
15	RR RH Door Trim	360.00



7.14 Sistem Hiburan Dalaman Nissan Xtrail

Jadual 77 : Panduan Kadar Harga Sistem Hiburan Dalaman Xtrail

Bil.	Komponen Hiburan Dalaman Nissan Xtrail	Harga (RM)
1	FR RH/LH Speakers	340.00
2	Radio	830.00
3	Radio Antenna	230.00
4	RR RH/LH Speakers	340.00



7.15 Assembly Set Nissan Xtrail

Jadual 78 : Panduan Kadar Harga Assembly Set Xtrail

Bil.	Assembly Set Nissan Xtrail	Harga (RM)
1	Meter Panel-Fuel Gauge, Temperature Gauge, Engine Pressure Gauge, Air Pressure Gauge, Oil Pressure Gauge, Vacuum Pressure Gauge, Ammeter, Voltmeter, Odometer, Speedometer, Tachometer, Tripmeter, RPM Meter	2,450.00
2	Auto Tensioner Assy	640.00
3	Brake Master Pump Assy	580.00
4	Brake Servo Assy	840.00
5	CVT Gear Box Assy	22,200.00
6	Cylinder Head Assy	3,600.00
7	Engine 4WD Coupling Assy	3,500.00
8	Engine Coolant Thermostat Housing Assy	430.00
9	FR LH Door Lock Actuator Assy	860.00
10	FR RH Door Lock Actuator Assy	950.00
11	Fuel Filler Spring Assy	170.00
12	Hose Assy	200.00
13	Idler Bearing Assy	450.00
14	Manual Climate Control HVAC Assy	270.00
15	Oil Cooler Tube Assy	80.00
16	Power Steering Rack Assy	4,500.00
17	Radiator Assy	1,900.00
18	RR Bumper Assy	440.00
19	RR Bumper Lower Cover Assy	390.00
20	RR Bumper Reinforcement Assy	470.00
21	RR Differential Assy	1,700.00
22	RR Differential Assy Overhaul Kit	690.00
23	RR LH Door Lock Actuator Assy	860.00



Bil.	Assembly Set Nissan Xtrail	Harga (RM)
24	RR LH Reflex Reflector Lamp Assy	450.00
25	RR RH Door Lock Actuator Assy	860.00
26	RR RH Reflex Reflector Lamp Assy	350.00
27	Side Step Assy	540.00
28	Steering Rack Assy	2,550.00
29	Torque Converter Assy	3,100.00

7.16 Servis Nissan Xtrail

Jika terdapat sebarang pembekalan dan penggantian alat ganti yang terlibat dengan kerja-kerja tersebut, sila rujuk jadual kadar harga alat ganti yang berkenaan.

- * Kerja-kerja membuka, membekal dan memasang alat ganti baru sehingga berfungsi dengan sempurna.
- * Upah kerja servis dan baikpulih adalah berkadar dengan 20% daripada harga alat ganti yang digunakan

Jadual 79 : Panduan Kadar Harga Servis Xtrail

Bil.	Servis Nissan Xtrail	Harga (RM)
1	<u>Sistem Tayar</u> Kerja - kerja men-servis untuk sistem Wheel sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 balancing, 1.2 aligment, 1.3 adjust camber dan caster, 1.4 rotation tayar, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	600.00
2	<u>Sistem Brek</u> Kerja - kerja men-servis untuk sistem brake sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Bleeding Air In Brake Line, 1.2 adjust Parking Brake, 1.3 skimming Rotor Disc, 1.4 mengganti Brake Fluid, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	650.00



Bil.	Servis Nissan Xtrail	Harga (RM)
3	<u>Sistem Penyejukan</u> Kerja - kerja men-servis untuk sistem penyejukan sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Cleaning Radiator Core, 1.2 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	470.00
4	<u>Sistem Enjin</u> Kerja - kerja men-servis untuk sistem enjin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Engine Oil 1.2 Menganti Oil Filter 1.3 Menganti Air Filter 1.4 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	650.00
5	<u>Sistem Tranmisi</u> Kerja - kerja men-servis untuk sistem Tranmision sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Gearbox Oil / ATF, 1.2 Menganti Axle Oil FR, 1.3 Menganti Axle Oil RR, 1.4 Menganti Transfer Box Oil, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	1,100.00



Bil.	Servis Nissan Xtrail	Harga (RM)
6	<u>Sistem Stering</u> Kerja - kerja men-servis untuk sistem steering sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Power Steering Fluid, 1.2 Flushing Power Steering Fluid, 1.3 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	220.00
7	<u>Sistem Penyaman Udara</u> Kerja - kerja men-servis untuk sistem penghawa dingin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Mengecas Gas R134a 1.2 Menambah (Electronic Fuel Injection (EFI)) Compressor Oil 1.3 Mencuci Cooling Coil (Front & Rear) 1.4 Mencuci Condenser 1.5 Mencuci Blower 1.6 Menjalankan kerja-kerja Vacuum dan ujian tekanan pada sistem. 1.7 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	1,560.00
8	<u>Sistem Elektrikal</u> Kerja - kerja scan/reset/setting Electronic Control Unit (ECU) dengan sempurna	150.00

8.0 PANDUAN INFORMASI – MITSUBISHI PAJERO

8.1 Gambar Mitsubishi Pajero



Gambar 5 : Pandangan Hadapan Kenderaan Pajero

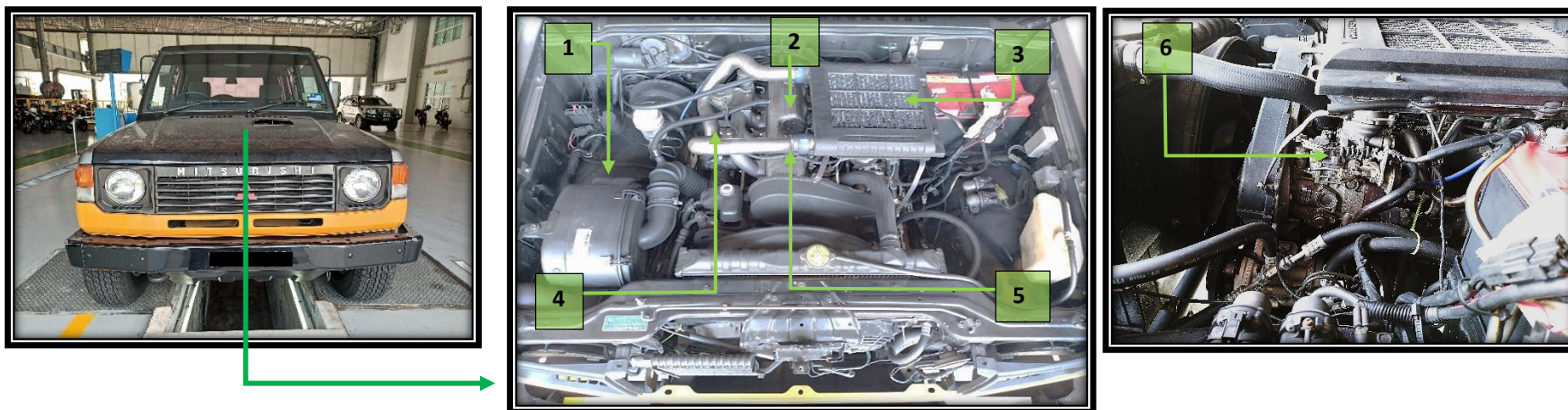


Gambar 6 : Pandangan Sisi Kenderaan Pajero

Jadual 80 : Teknikal Data Mitsubishi Pajero

Bil	Perkara	Data Teknikal
1	Jenis Kenderaan	Jip
2	Tahun	2008 - 2010
3	Jenama dan Model	Mitshubishi Pajero
4	Keupayaan Enjin	2.5L
5	Bahan api	Diesel
6	Tranmisi	Automatik

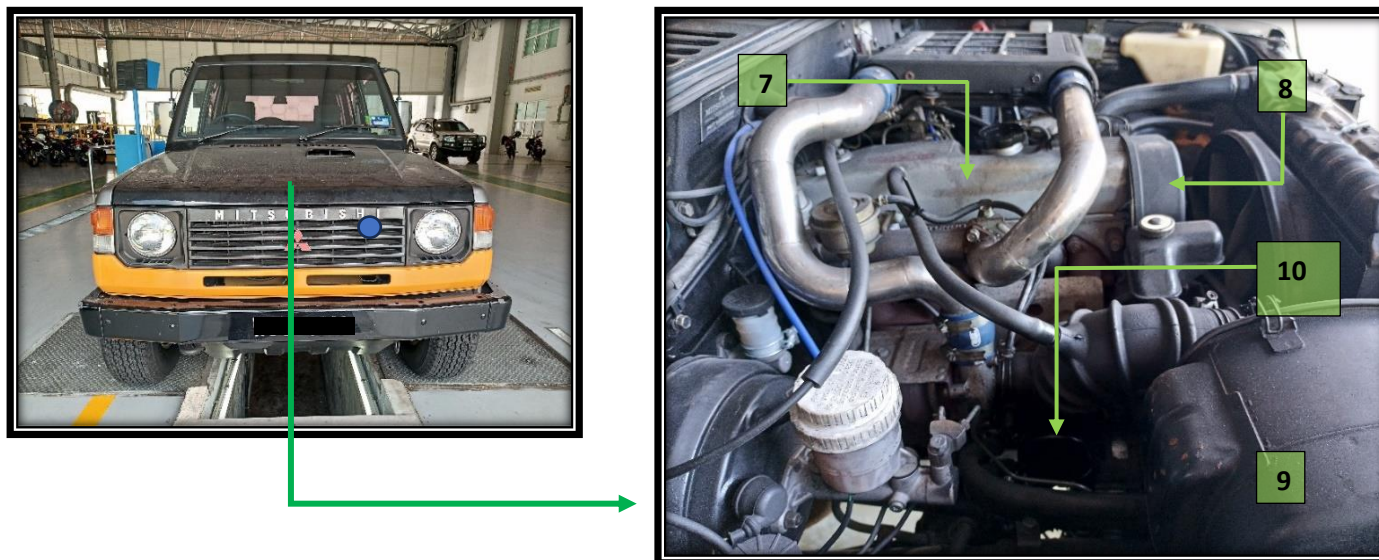
8.2 Gambarajah Sistem Enjin Mitsubishi Pajero



Gambarajah 45 : Komponen Bagi Sistem Enjin Mitsubishi Pajero (1)

Jadual 81 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	Air Filter Assembly
2	Engine Oil Cap
3	Intercooler
4	Intercooler Hose
5	Engine Assembly
6	Fuel Injection Pump

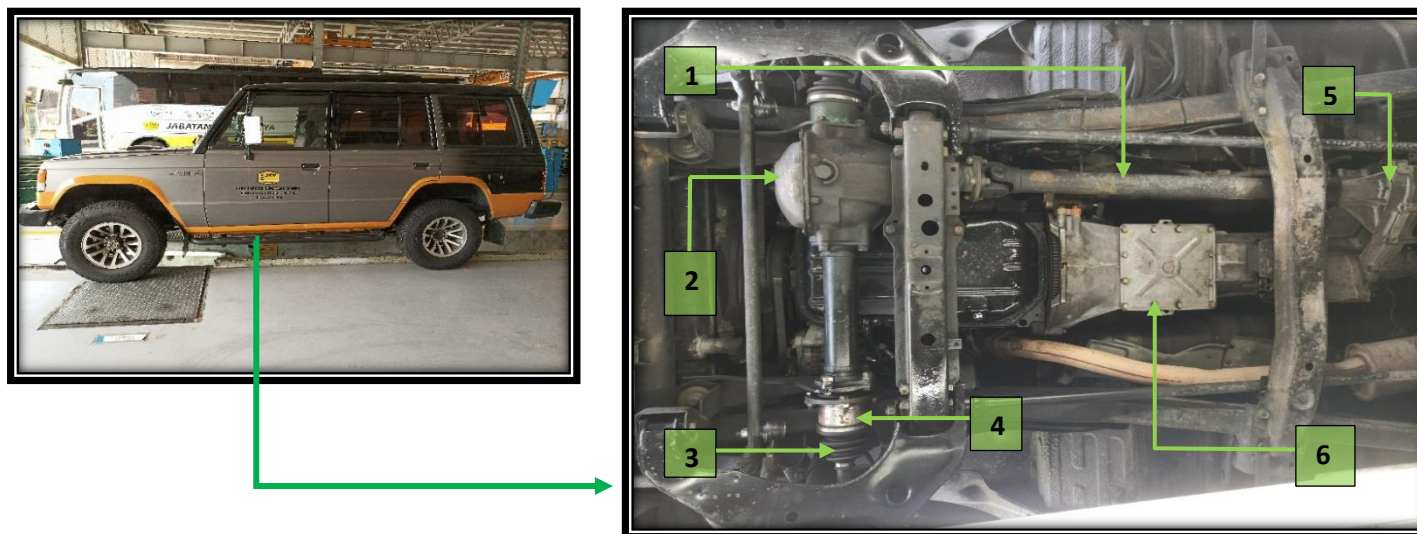


Gambarajah 46 : Komponen Bagi Sistem Enjin Mitsubishi Pajero (2)

Jadual 82 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
7	Engine Rocker Cover
8	Engine Timing Belt Cover
9	Turbocharger
10	Engine Oil Filter

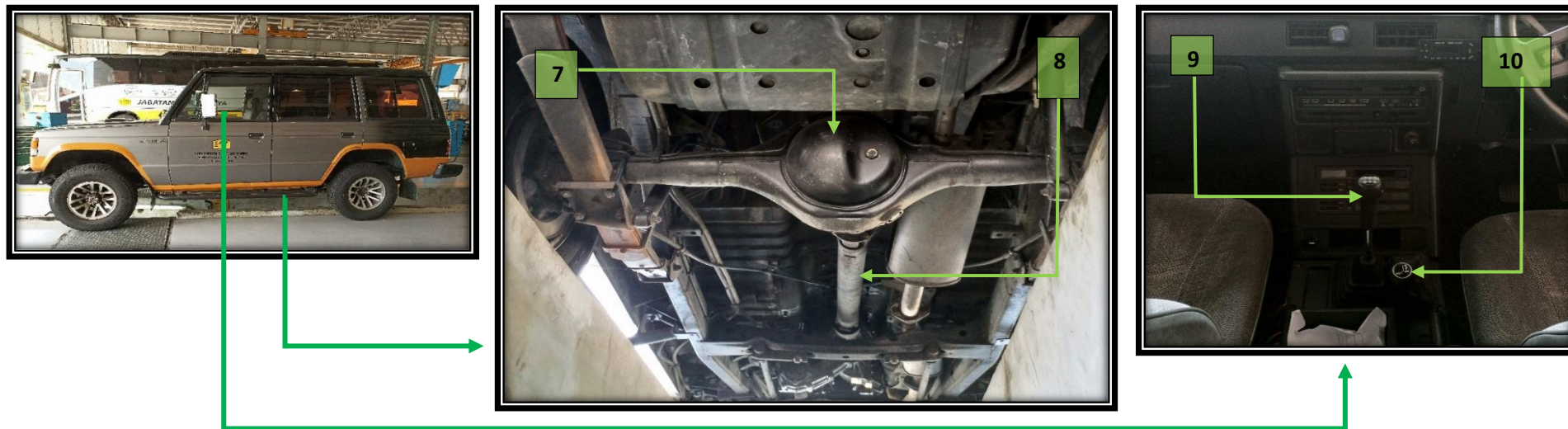
8.3 Gambarajah Sistem Tranmisi Mitsubishi Pajero



Gambarajah 47 : Komponen Bagi Sistem Tranmisi Mitsubishi Pajero (1)

Jadual 83 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	FR Propeller Shaft
2	FR Differential
3	FR Drive Shaft Boot
4	FR Drive Shaft
5	Transfer Box
6	RR Drive Shaft Gearbox

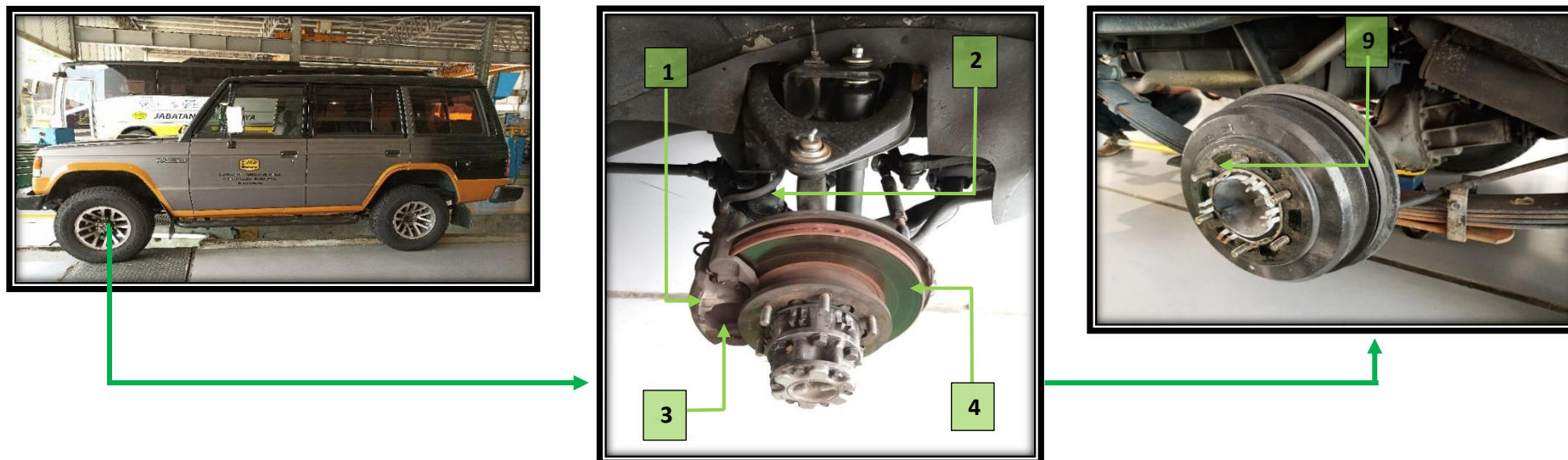


Gambarajah 48 : Komponen Bagi Sistem Tranmisi Mitsubishi Pajero (2)

Jadual 84 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
7	RR Differential
8	RR Propeller Shaft
9	Gear Shift Knob
10	Gear 4WD Shift Knob

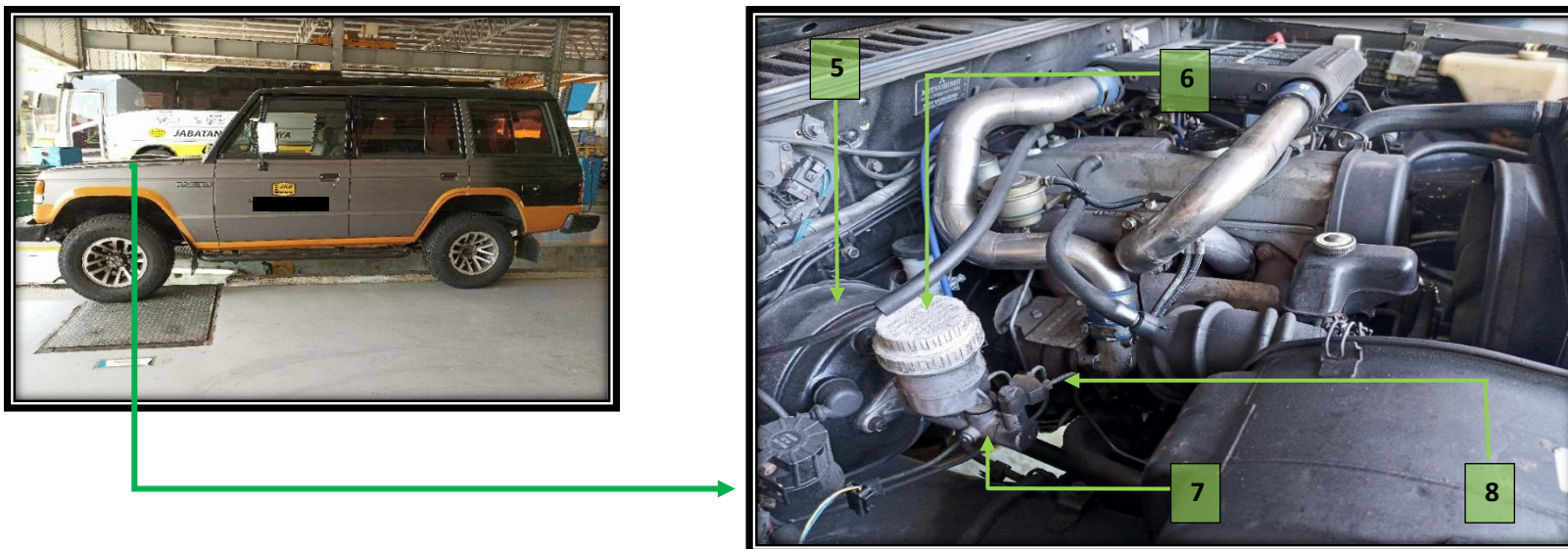
8.4 Gambarajah Sistem Brek Mitsubishi Pajero



Gambarajah 49 : Komponen Bagi Sistem Brek Mitsubishi Pajero (1)

Jadual 85 : Deskripsi Sebahagian Komponen Umum Sistem Brek Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	Brake Caliper
2	Brake Hose
3	Brake Pad
4	Rotor Disc Brake
9	RR Brake Drum

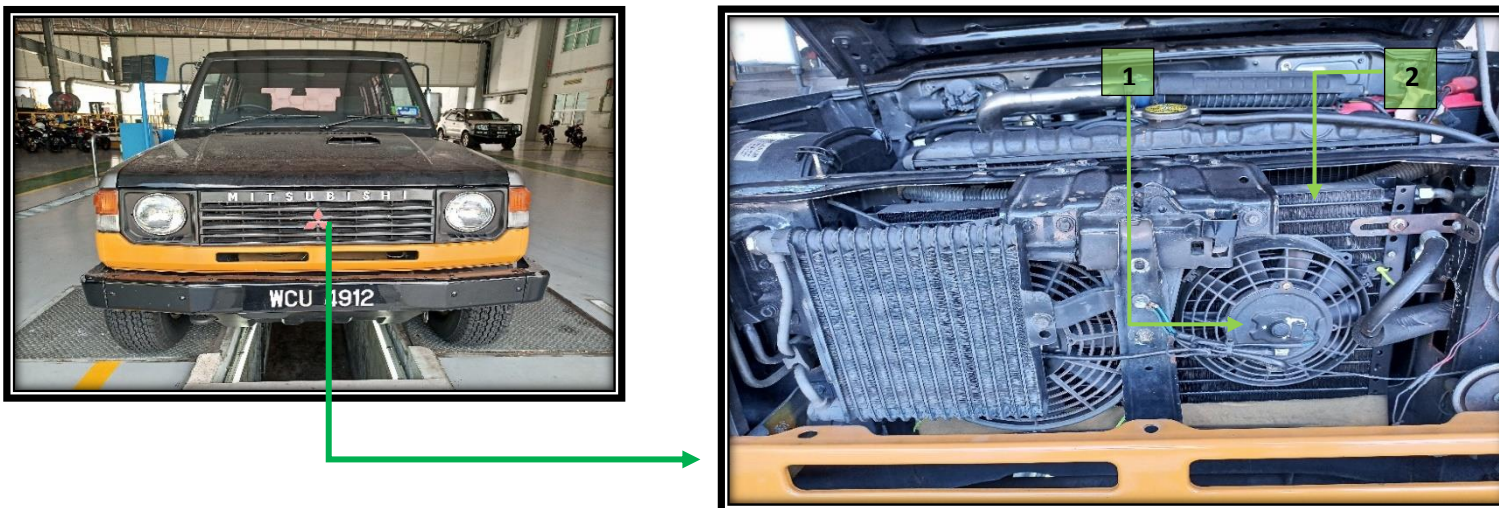


Gambarajah 50 : Komponen Bagi Sistem Brek Mitsubishi Pajero (2)

Jadual 86 : Deskripsi Sebahagian Komponen Umum Sistem Brek Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
5	Brake Servo Assembly
6	Brake Fluid Reservoir Tank
7	Brake Master Pump
8	Brake Pipe Line

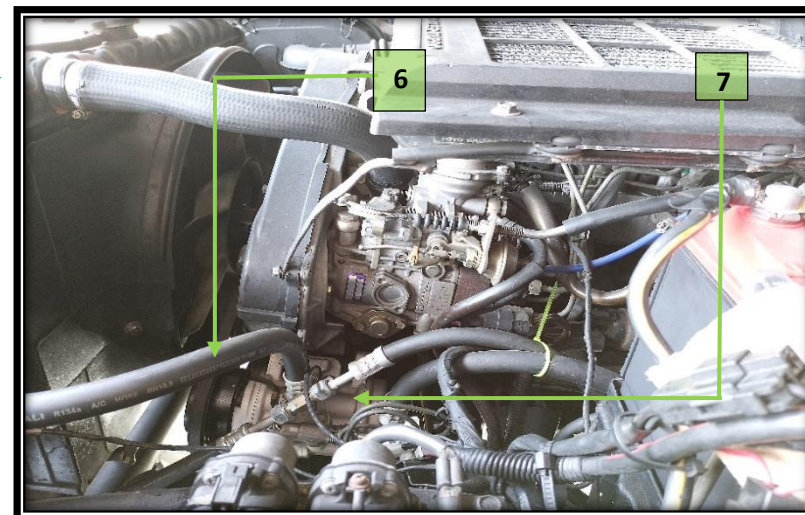
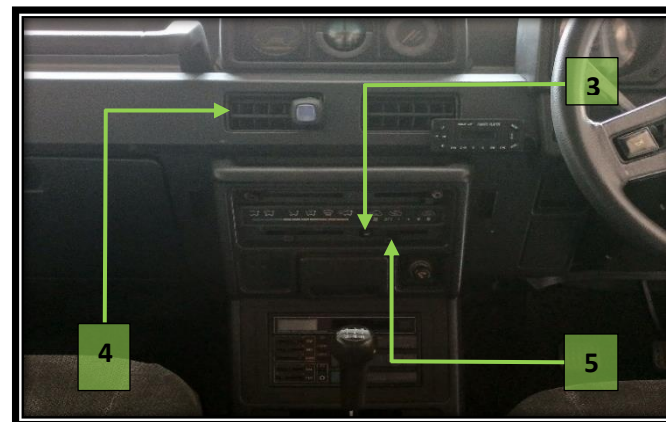
8.5 Gambarajah Sistem Penyaman Udara Mitsubishi Pajero



Gambarajah 51 : Komponen Bagi Sistem Penyaman Udara Mitsubishi Pajero (1)

Jadual 87 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	AC Fan Motor
2	AC Condenser

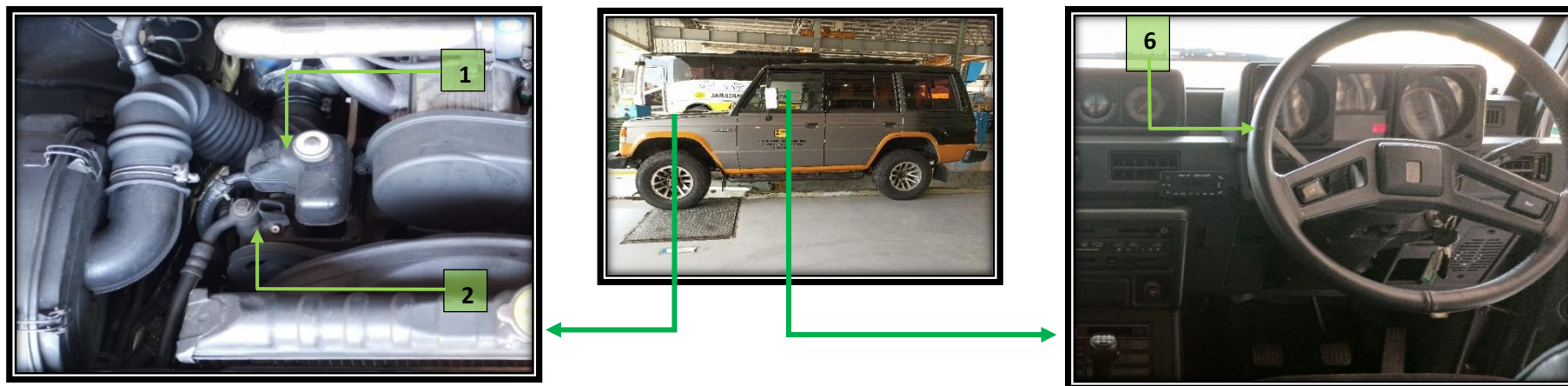


Gambarajah 52 : Komponen Bagi Sistem Penyaman Udara Mitsubishi Pajero (2)

Jadual 88 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
3	AC Switch
4	AC Vent
5	Blower Switch
6	AC High Pressure Hose
7	AC Compressor

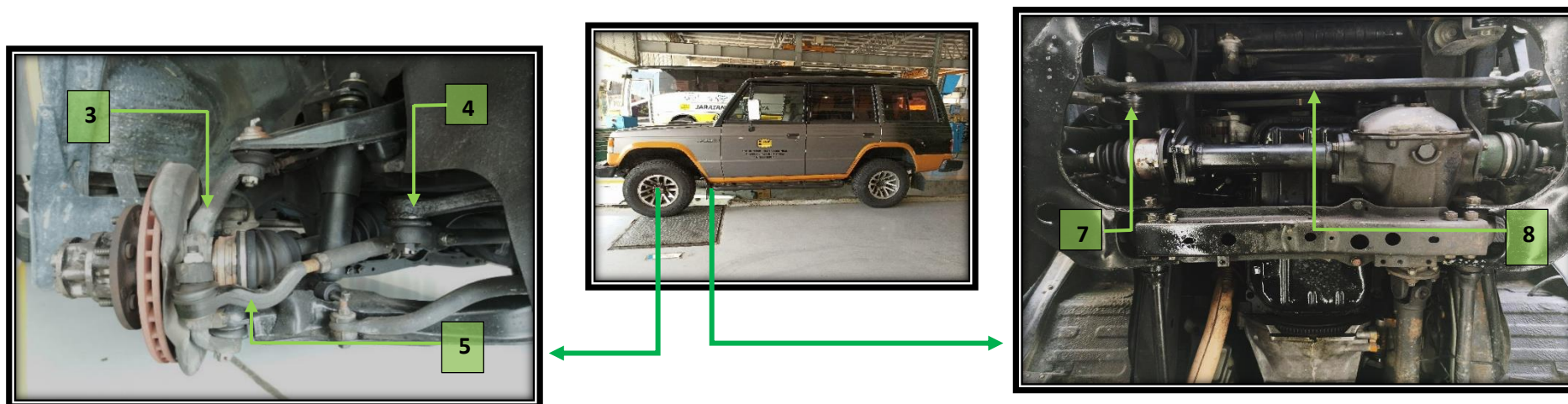
8.6 Gambarajah Sistem Stering Mitsubishi Pajero



Gambarajah 53 : Komponen Bagi Sistem Stering Mitsubishi Pajero (1)

Jadual 89 : Deskripsi Sebahagian Komponen Umum Sistem Stering Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	Power Steering Fluid Tank
2	Power Steering Pump
6	Wheel Steering

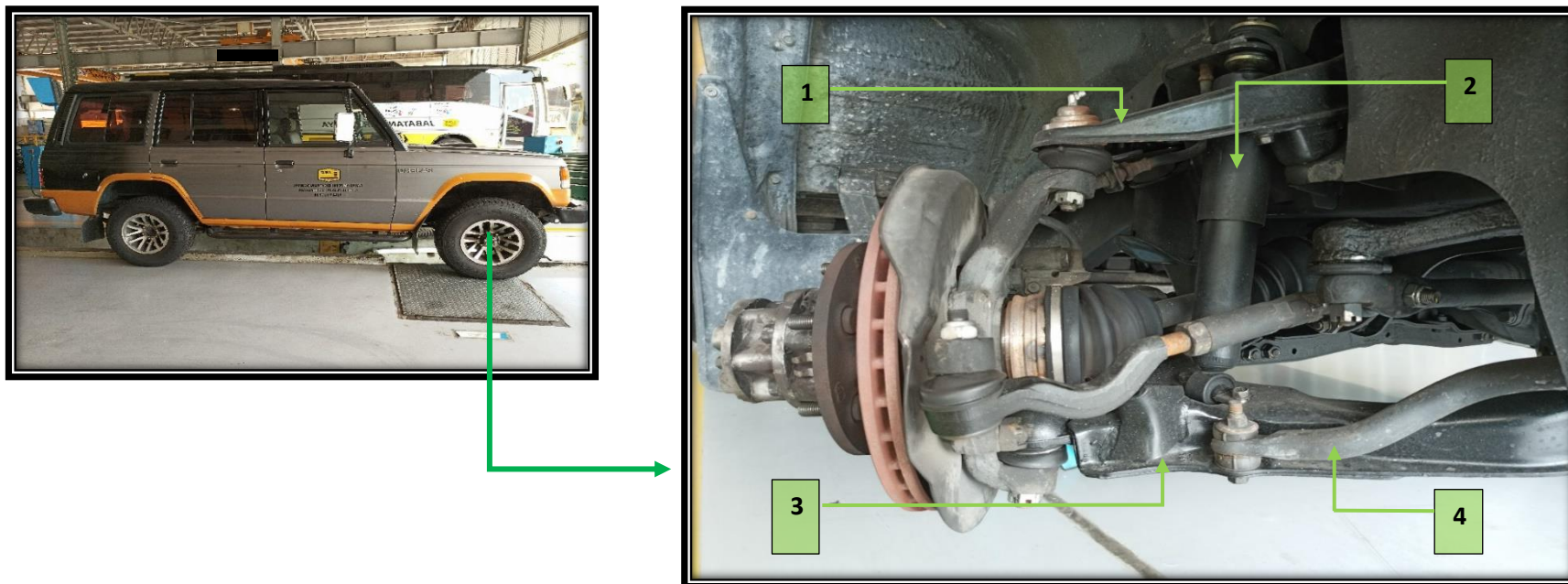


Gambarajah 54 : Komponen Bagi Sistem Stering Mitsubishi Pajero (2)

Jadual 90 : Deskripsi Sebahagian Komponen Umum Sistem Stering Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
3	Knuckle
4	Idle Arm
5	Tie Rod End
7	Idle Arm
8	Steering Arm

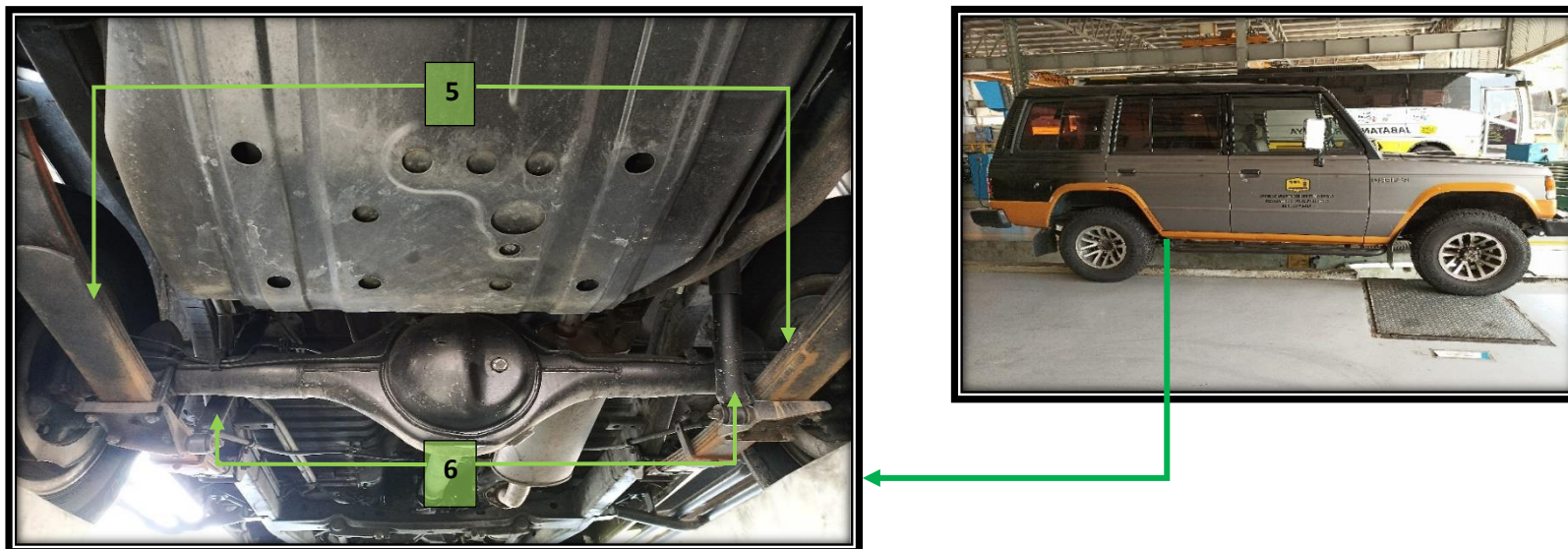
8.7 Gambarajah Sistem Suspension Mitsubishi Pajero



Gambarajah 55 : Komponen Bagi Sistem Suspension Mitsubishi Pajero (1)

Jadual 91 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	FR Upper Arm
2	FR Absorber
3	FR Lower Arm
4	FR Stabilizer Bar

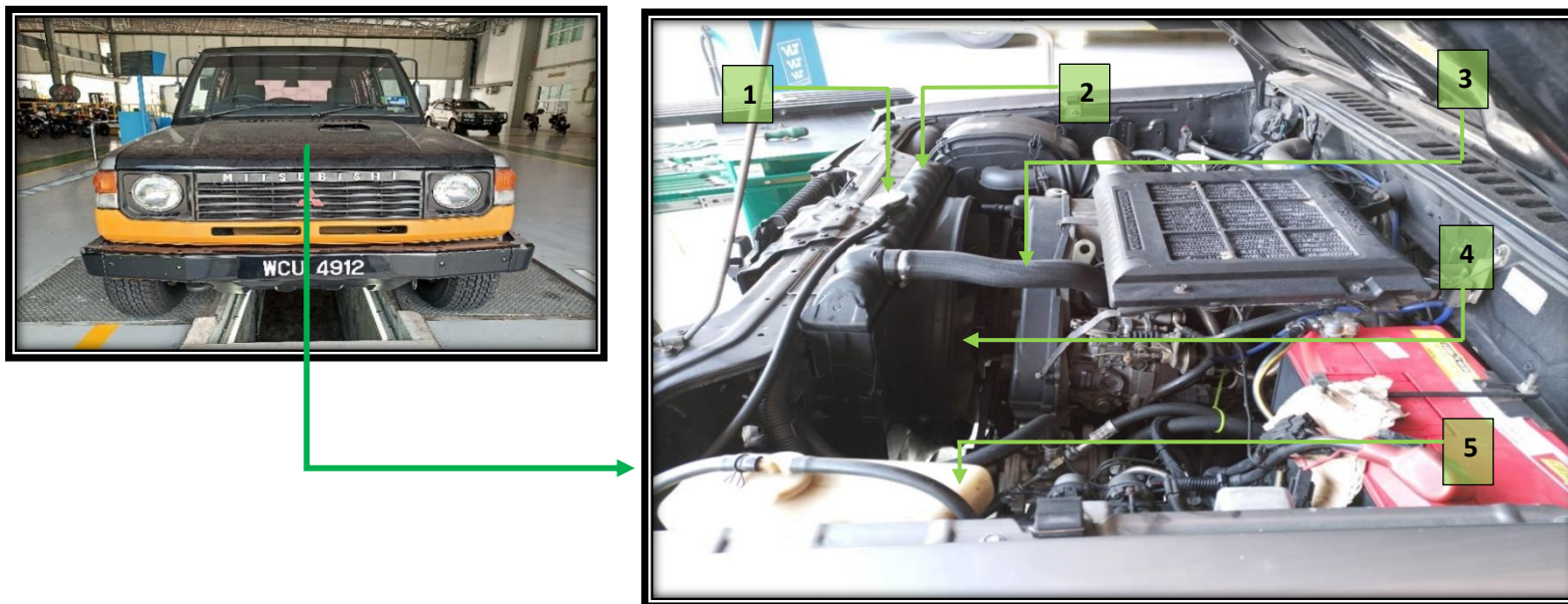


Gambarajah 56 : Komponen Bagi Sistem Suspension Mitsubishi Pajero (2)

Jadual 92 : Deskripsi Sebahagian Komponen Umum Sistem Suspension Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
5	RR Leaf Spring
6	RR Absorber

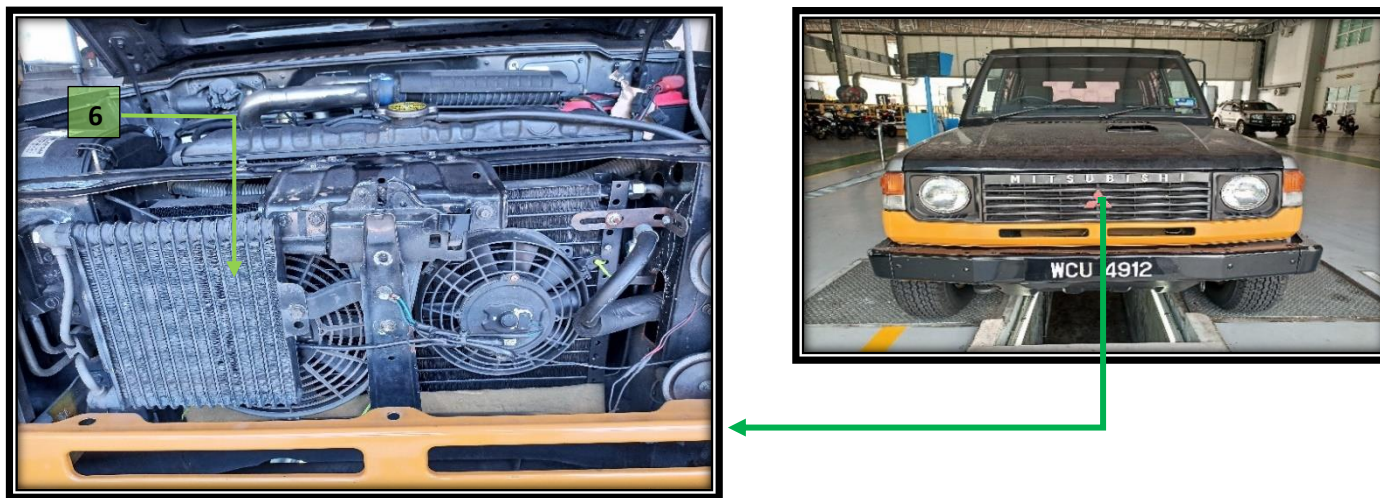
8.8 Gambarajah Sistem Penyejukan Mitsubishi Pajero



Gambarajah 57 : Komponen Bagi Sistem Penyejukan Mitsubishi Pajero (1)

Jadual 93 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	Radiator Cap
2	Radiator
3	Radiator Upper Hose
4	Fan Blade
5	Expansion Tank



Gambarajah 58 : Komponen Bagi Sistem Penyejukan Mitsubishi Pajero (2)

Jadual 94 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
6	Engine Oil Cooler

8.9 Gambarajah Sistem Bahan Api Mitsubishi Pajero

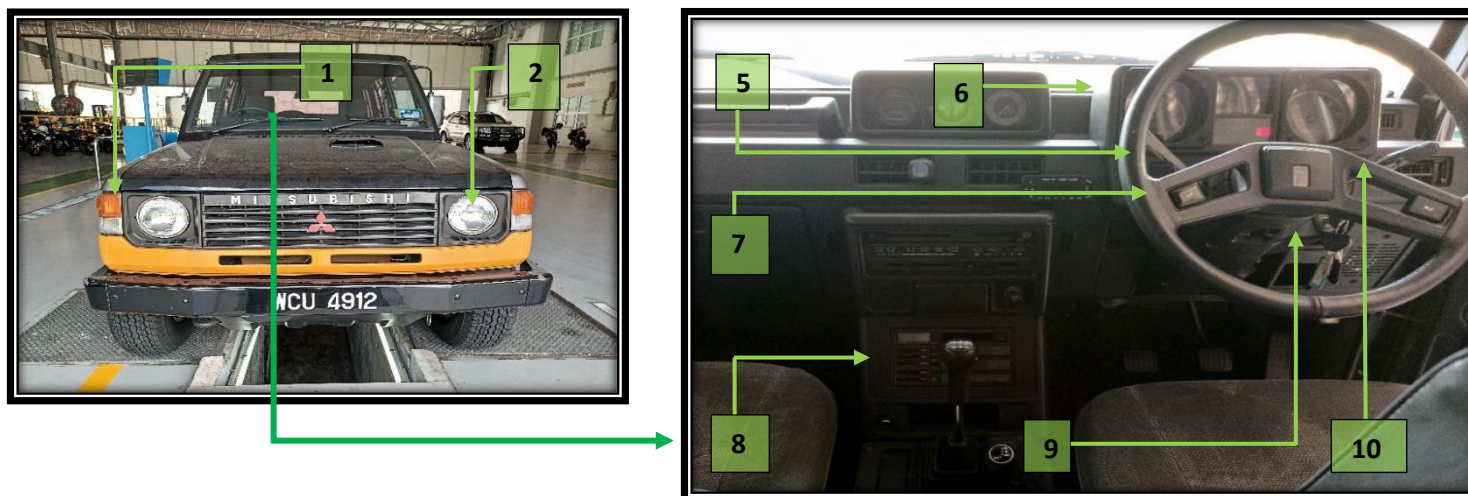


Jadual 95 : Deskripsi Sebahagian Komponen Umum Sistem Bahan Api Mitsubishi Pajero

Nombor Rujukan	Deskripsi
1	Fuel Cap Cover
2	Tank Neck Hose
3	Fuel Gauge
4	Fuel Tank

Gambarajah 59 : Komponen Bagi Sistem Bahan Api Mitsubishi Pajero

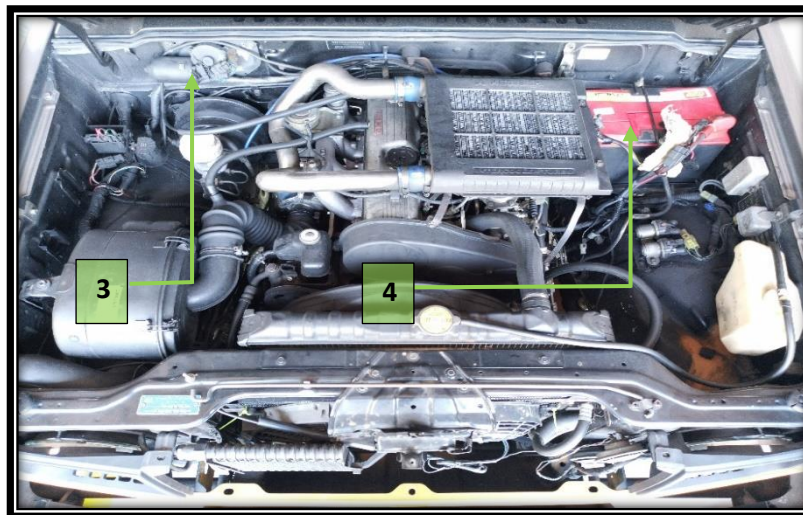
8.10 Gambarajah Sistem Elektrikal Mitsubishi Pajero



Gambarajah 60 : Komponen Bagi Sistem Elektrikal Mitsubishi Pajero (1)

Jadual 96 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Mitsubishi Pajero (1)

Nombor Rujukan	Deskripsi
1	FR Signal Lamp
2	Headlamp
5	Wiper Switch
6	Signal & Lamp Switch
7	Horn Switch
8	Radio
9	Ignition Switch
10	Signal & Lamp Switch

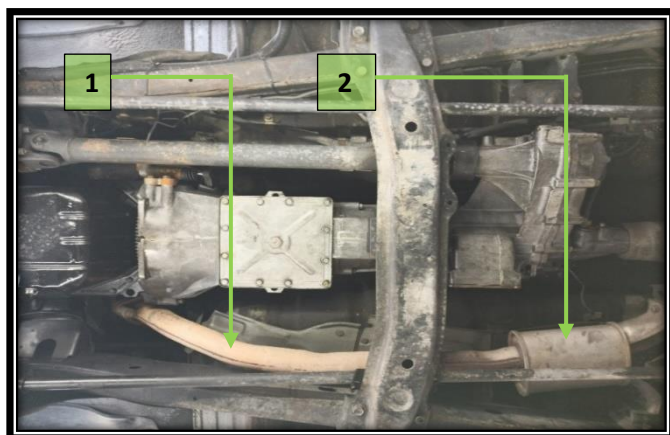
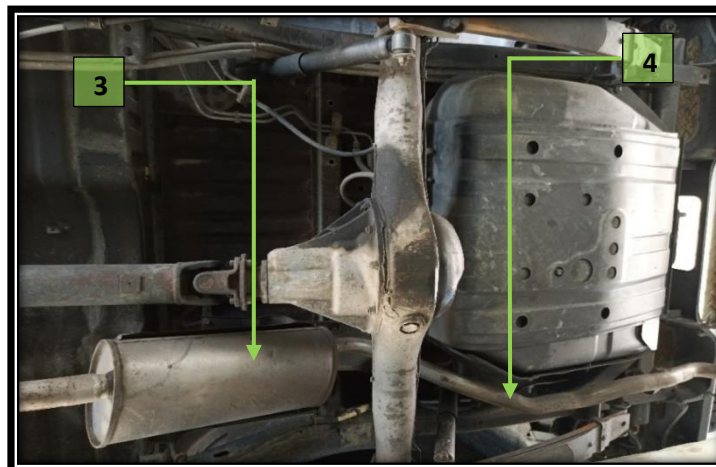


Jadual 97 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Mitsubishi Pajero (2)

Nombor Rujukan	Deskripsi
3	Wiper Motor
4	Battery
11	Tail Lamp
12	Reverse Lamp
13	RR Signal Lamp

Gambarajah 61 : Komponen Bagi Sistem Elektrikal Mitsubishi Pajero (2)

8.11 Gambarajah Sistem Ekzos Mitsubishi Pajero

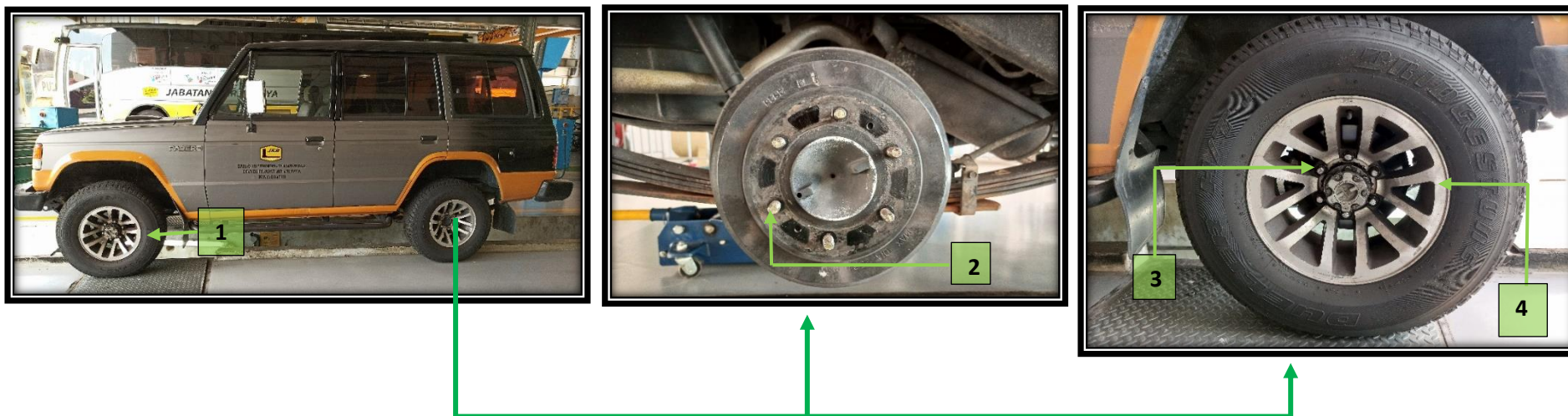


Jadual 98 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Mitsubishi Pajero

Nombor Rujukan	Deskripsi
1	Exhaust Pipe
2	Exhaust Resonator
3	RR Exhaust Mufler
4	Exhaust Tip

Gambarajah 62 : Komponen Bagi Sistem Ekzos Mitsubishi Pajero

8.12 Gambarajah Sistem Tayar Mitsubishi Pajero



Gambarajah 63 : Komponen Bagi Sistem Tayar Mitsubishi Pajero

Jadual 99 : Deskripsi Sebahagian Komponen Umum Sistem Tayar Mitsubishi Pajero

Nombor Rujukan	Deskripsi
1	Tyre
2	Wheel Stud
3	Wheel Nut
4	Wheel Rim

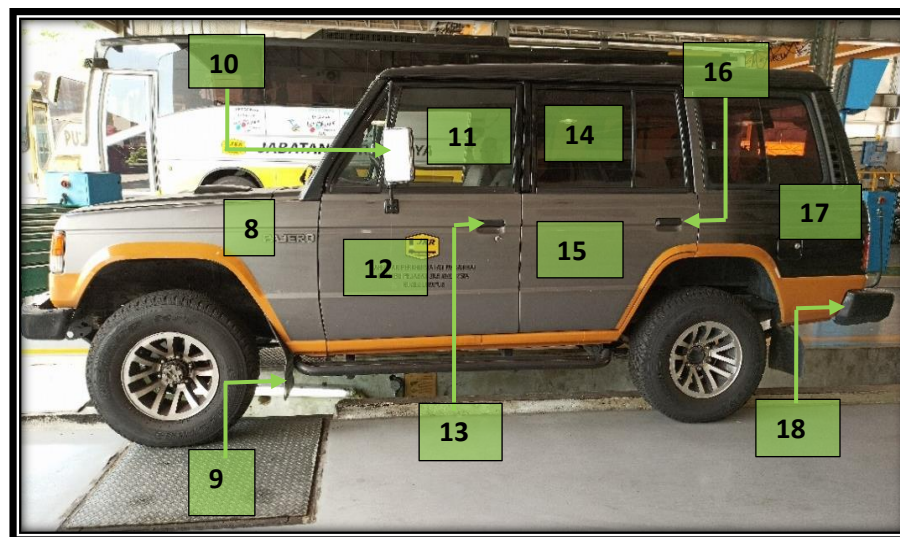
8.13 Gambarajah Sistem Badan Kenderaan Mitsubishi Pajero



Gambarajah 64 : Komponen Bagi Sistem Badan Kenderaan Mitsubishi Pajero (1)

Jadual 100 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Mitsubishi Pajero (1)

Nombor Rujukan	Deskrips
1	FR Windscreen
2	Bonnet
3	FR Grill
4	FR Wiper
5	FR Bumper
6	RR Windscreen
7	Tail Gate

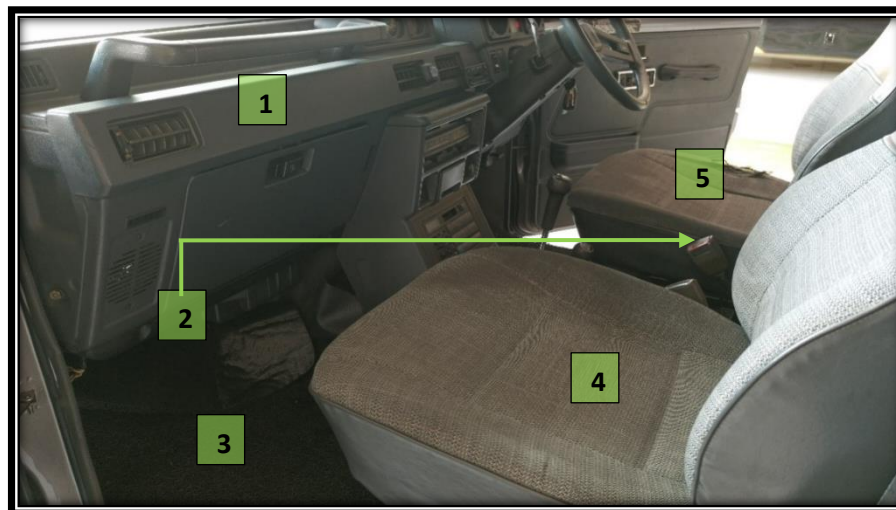


Gambarajah 65 : Komponen Bagi Sistem Badan Kenderaan Mitsubishi Pajero (2)

Jadual 101 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Mitsubishi Pajero (2)

Nombor Rujukan	Deskrips
8	Fender
9	Mud Flut
10	Side Mirror
11	FR Door Glass
12	FR Door
13	FR Outer Door Handle
14	RR Door Glass
15	RR Door
16	RR Outer Door Handle
17	Quarter Panel
18	RR Bumper

8.14 Gambarajah Sistem Dalaman Kenderaan Mitsubishi Pajero



Gambarajah 66 : Komponen Bagi Sistem Dalaman Kenderaan Mitsubishi Pajero

Jadual 102 : Deskripsi Sebahagian Komponen Umum Sistem Dalaman Kenderaan Mitsubishi Pajero

Nombor Rujukan	Deskripsi
1	Dash Board
2	Seat Bealt Buckle
3	Floor Mat
4	Passenger Seat
5	Driver Seat



9.0 PANDUAN KADAR HARGA ALAT GANTI – MITSUBISHI PAJERO

9.1 Sistem Enjin Mitsubishi Pajero

Jadual 103 : Panduan Kadar Harga Sistem Enjin Pajero

Bil.	Komponen Enjin Mitsubishi Pajero	Harga (RM)
1	Air Cleaner Intake Duct Tube	200.00
2	Air Filter Casing	550.00
3	Air Hose	180.00
4	Alternator Hose-Long	200.00
5	Alternator Hose-Short	170.00
6	Auto Tensioner Assy	280.00
7	Balancer Shaft	970.00
8	Belt	230.00
9	Camshaft	1,600.00
10	Camshaft Oil Seal	140.00
11	Camshaft pulley	950.00
12	Clutch Fan	380.00
13	Connecting Rod	770.00
14	Conrod Bearing	270.00
15	Crankshaft	3,700.00
16	Crankshaft Bearing	340.00
17	Crankshaft Oil Seal	170.00
18	Crankshaft pulley	870.00
19	Cylinder Head	3,700.00
20	Dipstick	130.00
21	Engine Block	8,600.00
22	Engine Mounting	470.00
23	Engine Oil	130.00
24	Engine Oil Cooler	1,350.00



Bil.	Komponen Enjin Mitsubishi Pajero	Harga (RM)
25	Engine Oil Fully Synthetic	270.00
26	Engine Oil Mineral	150.00
27	Engine Oil Pump Set	1,800.00
28	Engine Oil Treatment	120.00
29	Exhaust Manifold	2,000.00
30	Exhaust Valve	300.00
31	Fuel Filter	90.00
32	Fuel Injection Pump Oil Seal	100.00
33	Fuel Timing Retard Control Cable	400.00
34	Gasket Oil Pump	150.00
35	Heater Plug	270.00
36	Hose Intercooler	500.00
37	Hose Oil Cooler	450.00
38	Idler Bearing Assy	400.00
39	Injector (nozzle)	1,600.00
40	Intake manifold	1,800.00
41	Intake Valve	500.00
42	Main Pulley	600.00
43	Oil Cooler Pipe Hose	350.00
44	Oil Pan Washer	40.00
45	Oil Pressure Switch	150.00
46	Oil Pump	850.00
47	Oil Sum Gasket	100.00
48	Oil Sump	870.00
49	Overhaul Gasket Set	660.00
50	Pipe Line Petrol(diesel)	200.00
51	Plug O-Ring (seal)	150.00
52	Radiator	1,600.00
53	Rocker Arm	750.00



Bil.	Komponen Enjin Mitsubishi Pajero	Harga (RM)
54	Rocker Cover	450.00
55	Spring Valve Exhaust	400.00
56	Spring Valve Intake	190.00
57	Steering Box	3,300.00
58	Tachometer Drive	350.00
59	Tensioner Bearing	280.00
60	Timing Chain	350.00
61	Timing Chain Tensioner	300.00
62	Timing Cover	470.00
63	Tube Assy-Oil Cooler	950.00
64	Turbo Charger	4,300.00
65	Valve Cover Oil Seal	120.00
66	Valve Cover Hose	170.00
67	Valve Pin	250.00
68	Valve Cover Gasket	200.00
69	Water Jacket	100.00
70	Water Separator Filter	250.00



9.2 Sistem Tranmisi Mitsubishi Pajero

Jadual 104 : Panduan Kadar Harga Sistem Tranmisi Pajero

Bil.	Komponen Tranmisi Mitsubishi Pajero	Harga (RM)
1	4x4 Gear Level Boot	270.00
2	Bearing	200.00
3	Breather Hose	250.00
4	Clutch Slave Pump	550.00
5	Clutch Cover	650.00
6	Clutch Fluid	250.00
7	Clutch Fork	330.00
8	Clutch Fork Dust Cover	200.00
9	Clutch Kit Set	1,100.00
10	Clutch Master Pump	450.00
11	Clutch Shaft Oil Seal	200.00
12	Clutch Sleeve Pump	370.00
13	Drain Plug	300.00
14	Flywheel Bearing/pilot bearing	150.00
15	Flywheel Oil Seal	150.00
16	Forward Reverse Gear	1,500.00
17	FR LH Drive Shaft	770.00
18	FR LH Inner Drive Shaft Dust Cover	250.00
19	FR LH Outer Drive Shaft Dust Cover	200.00
20	FR Propeller Shaft Coupling	800.00
21	FR RH Drive Shaft	850.00
22	FR RH Inner Drive Shaft Dust Cover	450.00
23	FR RH Outer Drive Shaft Dust Cover	200.00
24	FR Universal Joint	470.00
25	Gear Level Boot	270.00



Bil.	Komponen Tranmisi Mitsubishi Pajero	Harga (RM)
26	Gear Lever	450.00
27	Gearbox Breather Hose	370.00
28	Gearbox Gasket	630.00
29	Gearbox Mounting	650.00
30	Gearbox Oil 5litre	300.00
31	Gearbox Overhaul Gasket Set	570.00
32	LH Drive Shaft Oil Seal	200.00
33	Long Shaft	1,800.00
34	Mounting and Differential Lock	580.00
35	O Ring	150.00
36	Oil Cooler Hose	270.00
37	Oil Pump	1,300.00
38	Oil Seal	200.00
39	Oil Seal Shaft	400.00
40	One Way Bearing Set	1,500.00
41	Pilot Bearing	200.00
42	Planetary Gear	1,800.00
43	Propeller Shaft	1,200.00
44	Rear Axle Oil Seal	200.00
45	RH Drive Shaft Oil Seal	220.00
46	RR Differential Assy	4,000.00
47	RR Differential Assy Overhaul Kit	1,200.00
48	RR Propeller Shaft Coupling	450.00
49	RR Universal Joint	430.00
50	Torque Converter Assy	12,000.00
51	Transfer Box Mounting	370.00
52	Universal Joint	350.00
53	Valve Body	470.00



9.3 Sistem Brek Mitsubishi Pajero

Jadual 105 : Panduan Kadar Harga Sistem Brek Pajero

Bil.	Komponen Brek Mitsubishi Pajero	Harga (RM)
1	Brake Booster	1,350.00
2	Brake Diaphragm (Switch Valve Assy)	290.00
3	Brake Master Pump	550.00
4	Brake Pedal Stopper Rubber	200.00
5	Brake Pipe 6" x 12"	290.00
6	Brake Pipe Line	430.00
7	Brake Reservoir Tank	300.00
8	Brake Servo Assy	650.00
9	FR Brake Repair Kit	300.00
10	FR LH Brake Hose Pipe	400.00
11	FR LH Brake Pump (Calliper)	1,074.30
12	FR LH Rotor Disc	552.00
13	FR RH Brake Hose Pipe	400.00
14	FR RH Brake Pump (Calliper)	1,074.30
15	FR RH Rotor Disc	621.80
16	FR RH/LH Brake Pad	324.47
17	Hand Brake Cable	400.00
18	LH Rear Wheel Cylinder Pump	250.00
19	RH Rear Wheel Cylinder Pump	250.00
20	RR LH Brake Drum	400.00
21	RR RH Brake Drum	400.00
22	RR RH/LH Brake Shoe	300.00
23	RR RH/LH Brake Shoe Lining	330.00
24	Skim FR RH/LH Rotor Disc	280.00



9.4 Sistem Penyaman Udara Mitsubishi Pajero

Jadual 106 : Panduan Kadar Harga Sistem Penyaman Udara Pajero

Bil.	Komponen / Assembly Set / Servis	Harga (RM)
1	A.C Compressor	1,700.00
2	A.C Compressor Bracket	350.00
3	A.C Condenser	750.00
4	Belting	140.00
5	Compressor Oil	300.00
6	Drier	200.00
7	Fan Motor	400.00
8	High Pressure Pipe	300.00
9	Hose / Pipe	200.00
10	Low Pressure Pipe	250.00
11	Manual Climate Control HVAC Assy	350.00
12	Pressure Switch	200.00
13	RR Expansion Valve	200.00
14	Tensioner	200.00



9.5 Sistem Stering Mitsubishi Pajero

Jadual 107 : Panduan Kadar Harga Sistem Stering Pajero

Bil.	Komponen / Assembly Set / Servis	Harga (RM)
1	Idler Arm	400.00
2	LH Knuckle	600.00
3	LH Tie Rod	200.00
4	LH Tie Rod End	200.00
5	Power Steering Hose (In)	300.00
6	Power Steering Hose (Out)	330.00
7	Power Steering Pump	1,100.00
8	Power Steering Tank	400.00
9	Return Hose	200.00
10	RH Knuckle	590.00
11	RH Tie Rod	200.00
12	RH Tie Rod End	200.00
13	Steering Box (Ball Bearing)	1,800.00
14	Steering Coupling	400.00
15	Steering Shaft Boot Cover	150.00
16	Suction Hose	200.00
17	Wheel Steering	740.00



9.6 Sistem Suspension Mitsubishi Pajero

Jadual 108 : Panduan Kadar Harga Sistem Suspension Pajero

Bil.	Komponen Suspension Mitsubishi Pajero	Harga (RM)
1	FR Axle	2,700.00
2	FR LH Absorber	400.00
3	FR LH Lower Arm	800.00
4	FR LH Lower Arm Ball Joint	270.00
5	FR LH Upper Arm	750.00
6	FR LH/RH Absorber	350.00
7	FR RH Absorber	400.00
8	FR RH Lower Arm	800.00
9	FR RH Lower Arm Ball Joint	350.00
10	FR RH Upper Arm	750.00
11	FR Stabilizer Link	200.00
12	LH Absorber Dust Cover	150.00
13	LH Stabilizer Bar Bush	250.00
14	LH Torsion Bar Bush	200.00
15	LH/RH Stabilizer Bush Bar	270.00
16	LH/RH Stabilizer Link	250.00
17	Lower Arm Bush B	300.00
18	Lower Arm Bush S	450.00
19	Pit Man Arm	350.00
20	RH Absorber Dust Cover	250.00
21	RH Stabilizer Bar Bush	250.00
22	RH Torsion Bar Bush	200.00
23	RR Axle	2,800.00
24	RR LH Absorber	350.00
25	RR LH Bump Stopper	200.00



Bil.	Komponen Suspension Mitsubishi Pajero	Harga (RM)
26	RR LH Leaf Spring	500.00
27	RR LH Stabilizer Bar Bush	200.00
28	RR LH/RH Bump Stopper	300.00
29	RR LH/RH Stabilizer Bar Bush	200.00
30	RR RH Absorber	350.00
31	RR RH Bump Stopper	200.00
32	RR RH Leaf Spring	850.00
33	RR RH Stabilizer Bar Bush	200.00
34	RR RH/LH Spring Bush	480.00
35	RR Stabilizer Link	350.00
36	Upper Arm Bush	250.00



9.7 Sistem Penyejukan Mitsubishi Pajero

Jadual 109 : Panduan Kadar Harga Sistem Penyejukan Pajero

Bil.	Komponen Penyejukan Mitsubishi Pajero	Harga (RM)
1	Belting	650.00
2	By Pass Hose	90.00
3	By Pass Hose (Big)	150.00
4	By Pass Hose (Small)	140.00
5	By Pass Piping	100.00
6	Engine Coolant Piper O Ring	200.00
7	Engine Coolant Thermostat Housing Assy	270.00
8	Engine Oil Cooler	450.00
9	Expansion Tank	200.00
10	Heater Hose	140.00
11	Hose Assy	200.00
12	Hose Clip	150.00
13	Lower Hose	400.00
14	Radiator Assy	750.00
15	Radiator Bottom Hose	130.00
16	Radiator Cap	70.00
17	Radiator Fan blade	200.00
18	Radiator Top Hose	100.00
19	Radiator Upper Casing	200.00
20	Thermostat	150.00
21	Tube Assy Oil Cooler	980.00
22	Upper Hose	600.00
23	Water Pump	350.00
24	Water Pump Pipe	800.00



9.8 Sistem Bahan Api Mitsubishi Pajero

Jadual 110 : Panduan Kadar Harga Sistem Bahan Api Pajero

Bil.	Komponen Bahan Api Mitsubishi Pajero	Harga (RM)
1	Diesel Fuel Pump	1,800.00
2	Diesel Premier Pump	300.00
3	Fuel Tank Cap	750.00
4	Fuel Tank Cap O Ring	140.00
5	Fuel Filter	200.00
6	Fuel Gauge	400.00
7	Fuel Pipe Line	1,300.00
8	Fuel Tank	1,600.00
9	Tank Neck Hose	200.00
10	Fuel Pipe Line	1,300.00



9.9 Sistem Elektrikal Mitsubishi Pajero

Jadual 111 : Panduan Kadar Harga Sistem Elektrikal Pajero

Bil.	Komponen Elektrikal Mitsubishi Pajero	Harga (RM)
1	3rd Brake Lamp	300.00
2	Air Horn	250.00
3	Alarm Remote Case Cover	150.00
4	Alarm System	600.00
5	Alternator	850.00
6	Alternator Belt	200.00
7	Bateri	450.00
8	Beacon Light	2,000.00
9	Bulb Brake Lamp	150.00
10	Bulb Head Lamp	100.00
11	Bulb Tail Lamp	80.00
12	Clips	20.00
13	Electronic Control Unit (ECU) / TCU	4,200.00
14	Engine Pressure Gauge	550.00
15	Fan Belt	200.00
16	Fius Box	380.00
17	FR LH Door Lock Actuator Assy	300.00
18	FR LH Power Window Motor	390.00
19	FR RH Door Lock Actuator Assy	350.00
20	FR RH Power Window Motor	380.00
21	Fuel Gauge	550.00
22	Fuse 10A	150.00
23	Fuse 15A	150.00
24	Fuse 20A	150.00
25	Fuse 25A	150.00



Bil.	Komponen Elektrikal Mitsubishi Pajero	Harga (RM)
26	Fuse 5A	150.00
27	Hazard Light	200.00
28	Horn	270.00
29	Ignition Key	300.00
30	Ignition Switch	530.00
31	LH Bulb - Brake Lamp	80.00
32	LH Head Lamp	690.00
33	LH Tail Lamp	450.00
34	LH Tail Lamp Bulb	80.00
35	Meter Panel	1,500.00
36	Odometer	400.00
37	Oil Pressure Gauge	330.00
38	Plate Number Bulb	80.00
39	Plate Number Lamp	250.00
40	Power Window Main Switch	880.00
41	Relay Power Window	200.00
42	Reverse Lamp	150.00
43	RH Bulb - Brake Lamp	80.00
44	RH Head Lamp	600.00
45	RH Tail Lamp	450.00
46	RH Tail Lamp Bulb	80.00
47	Roof Light	250.00
48	RPM Meter	430.00
49	RR LH Door Lock Actuator Assy	330.00
50	RR LH Power Window Motor	390.00
51	RR RH Door Lock Actuator Assy	330.00
52	RR RH Power Window Motor	430.00
53	Solenoid Switch	290.00
54	Speedometer	490.00



Bil.	Komponen Elektrikal Mitsubishi Pajero	Harga (RM)
55	Sport Light	250.00
56	Starter Carbon	120.00
57	Starter Motor	870.00
58	Starter Regulator / relay	350.00
59	Tachometer	270.00
60	Temperature Gauge	550.00
61	Thermostat Switch Sensor	350.00
62	Tripmeter	250.00
63	Voltmeter	250.00
64	Washer Tank Motor	300.00
65	Wiper Motor	530.00
66	Wiring	830.00
67	Wiring Radio	200.00
68	Wiring Starter Motor	350.00



9.10 Sistem Ekzos Mitsubishi Pajero

Jadual 112 : Panduan Kadar Harga Sistem Ekzos Pajero

Bil.	Komponen / Assembly Set / Servis	Harga (RM)
1	Exhaust Manifold	650.00
2	Exhaust Mounting	350.00
3	Exhaust Pipe	600.00
4	Muffler	450.00
5	Rear Gasket Exhaust	200.00



9.11 Sistem Tayar Mitsubishi Pajero

Jadual 113 : Panduan Kadar Harga Sistem Tayar Pajero

Bil.	Komponen Tayar Mitsubishi Pajero	Harga (RM)
1	Camber	640.00
2	Caster	630.00
3	Flap	150.00
4	FR RH/LH Wheel Bearing	330.00
5	FR RH/LH Wheel Bearing Oil Seal	150.00
6	Idle Arm	730.00
7	Pit Man Arm	800.00
8	RR RH/LH Wheel Bearing	250.00
9	RR RH/LH Wheel Bearing Oil Seal	150.00
10	Tyre Tube	250.00
11	Valve Stem / tubeless valve	200.00
12	Wheel Nut	250.00
13	Wheel Rim	1,200.00
14	Wheel Stud	850.00
15	Camber	650.00
16	Caster	640.00
17	Flap	150.00
18	FR RH/LH Wheel Bearing	330.00
19	FR RH/LH Wheel Bearing Oil Seal	150.00
20	Idle Arm	730.00
21	Pit Man Arm	800.00
22	RR RH/LH Wheel Bearing	250.00
23	RR RH/LH Wheel Bearing Oil Seal	150.00
24	Tyre Tube	250.00
25	Valve Stem / tubeless valve	200.00



Bil.	Komponen Tayar Mitsubishi Pajero	Harga (RM)
26	Wheel Nut	250.00



9.12 Sistem Badan Kenderaan Mitsubishi Pajero

Jadual 114 : Panduan Kadar Harga Sistem Badan Kenderaan Pajero

Bil.	Komponen Badan Kenderaan Mitsubishi Pajero	Harga (RM)
1	Arm Rest	250.00
2	Back Door Outer Handle	200.00
3	Base (Floor)	330.00
4	Bonnet	800.00
5	Centre Pillar	330.00
6	Centre Tunnel	340.00
7	Cermin Pandang Belakang	250.00
8	Clip, Nut, Bracket	200.00
9	Clips	170.00
10	Coating	520.00
11	Emblem	250.00
12	FR Bumper	850.00
13	FR Grill	350.00
14	FR LH Door	630.00
15	FR LH Door Glass	470.00
16	FR LH Door Glass Moulding	440.00
17	FR LH Door Handle	350.00
18	FR LH Door Rubber	450.00
19	FR LH Outer Door Handle	200.00
20	FR LH Outside Door Lining	250.00
21	FR LH Window Regulator Handle	200.00
22	FR LH/RH Door Handle	350.00
23	FR Panel	390.00
24	FR RH Door	630.00
25	FR RH Door Glass	450.00



Bil.	Komponen Badan Kenderaan Mitsubishi Pajero	Harga (RM)
26	FR RH Door Glass Moulding	550.00
27	FR RH Door Handle	400.00
28	FR RH Door Rubber	360.00
29	FR RH Outer Door Handle	200.00
30	FR RH Outside Door Lining	230.00
31	FR RH Window Regulator Handle	200.00
32	FR RH/LH Floor Mat	200.00
33	FR RH/LH Mud Flat	200.00
34	FR RH/LH Wheel Arch	390.00
35	FR Windscreen	950.00
36	FR Wiper	90.00
37	FR/RR LH/RH Door Handle	450.00
38	Hood	450.00
39	LH Fender	700.00
40	LH Fender Liner Shield Apron Seal/Guard	200.00
41	LH Roof Lining	250.00
42	LH Side Mirror	350.00
43	LH Vent Glass	350.00
44	Mengecat Badan	3,500.00
45	Mengetuk Badan	1,700.00
46	Menyimen Badan	1,100.00
47	Panel Trunk	350.00
48	Polish	1,200.00
49	RH Fender	700.00
50	RH Fender Liner Shield Apron Seal/Guard	200.00
51	RH Roof Lining	250.00
52	RH Side Mirror	350.00
53	RH Vent Glass	250.00
54	RH/LH Body Quarter	400.00



Bil.	Komponen Badan Kenderaan Mitsubishi Pajero	Harga (RM)
55	RH/LH Rocker Panel Skin	350.00
56	Roof Panel	400.00
57	RR Bumper	870.00
58	RR Bumper Assy	600.00
59	RR LH Door	600.00
60	RR LH Door Glass	700.00
61	RR LH Door Glass Moulding	400.00
62	RR LH Door Handle	290.00
63	RR LH Door Rubber	350.00
64	RR LH Outer Door Handle	200.00
65	RR LH Outside Door Lining	250.00
66	RR LH Pin Lock Tow	200.00
67	RR LH Window Regulator Handle	200.00
68	RR LH/RH Door Handle	350.00
69	RR LH/RH Pin Lock Tow	200.00
70	RR Quarter Panel	400.00
71	RR RH Door	630.00
72	RR RH Door Glass	470.00
73	RR RH Door Glass Moulding	440.00
74	RR RH Door Handle	300.00
75	RR RH Door Rubber	350.00
76	RR RH Outer Door Handle	200.00
77	RR RH Outside Door Lining	250.00
78	RR RH Pin Lock Tow	200.00
79	RR RH Window Regulator Handle	200.00
80	RR RH/LH Floor Mat	200.00
81	RR RH/LH Mud Flat	200.00
82	RR RH/LH Wheel Arch	400.00
83	RR Windscreen	680.00



Bil.	Komponen Badan Kenderaan Mitsubishi Pajero	Harga (RM)
84	RR Wiper	90.00
85	Screen Panel	400.00
86	Scuttle	270.00
87	Sealant Heavy Duty	290.00
88	Seat	1,100.00
89	Seat Cover	480.00
90	Side Step Assy	580.00
91	Spoiler	280.00
92	UV Filter	220.00
93	Window Glass Lock Sliding	250.00
94	Windscreen Moulding	300.00
95	Wiper Arm	250.00



9.13 Sistem Dalaman Kenderaan Mitsubishi Pajero

Jadual 115 : Panduan Kadar Harga Sistem Dalaman Kenderaan Pajero

Bil.	Komponen / Assembly Set / Servis	Harga (RM)
1	Carpet	450.00
2	Dashboard	2,500.00
3	Driver Seat	800.00
4	Floor Mat	480.00
5	FR LH Door Trim	270.00
6	FR RH Door Trim	280.00
7	FR/RR RH/LH Seat Belt	430.00
8	FR/RR RH/LH Seat Belt Buckle	400.00
9	Passenger Seat	1,700.00
10	RH/LH Sun Visor	1,100.00
11	Roof Lining	450.00
12	RR LH Door Trim	270.00
13	RR RH Door Trim	250.00



9.14 Sistem Hiburan Dalaman Mitsubishi Pajero

Jadual 116 : Panduan Kadar Harga Sistem Hiburan Dalaman Pajero

Bil.	Komponen / Assembly Set / Servis	Harga (RM)
1	FR RH/LH Speakers	270.00
2	Radio	680.00
3	Radio Antenna	150.00
4	RR RH/LH Speakers	280.00



9.15 Assembly Set Mitsubishi Pajero

Jadual 117 : Panduan Kadar Harga Assembly set Pajero

Bil.	Assembly Set Mitsubishi Pajero	Harga (RM)
1	Evaporator - expansion valve, blower, switch, cooling coil, blower switch	2,000.00
2	Fuel pump assy - fuel pump gasket kit, fuel pump plunger, fuel pump valve, fuel pump acc pump, fuel pump nozzle injector	4,500.00
3	Manual gear box kit - gear box manual, transfer assy, transfer overhaul kit	16,000.00
4	Piston - piston, ring, pin	3,300.00
5	Timing belt kit - timing belt & timing belt tensioner	2,200.00



9.16 Servis Mitsubishi Pajero

Jika terdapat sebarang pembekalan dan penggantian alat ganti yang terlibat dengan kerja-kerja tersebut, sila rujuk jadual kadar harga alat ganti yang berkenaan.

- * Kerja-kerja membuka, membekal dan memasang alat ganti baru sehingga berfungsi dengan sempurna.
- * Upah kerja servis dan baikpulih adalah berkadar dengan 20% daripada harga alat ganti yang digunakan.

Jadual 118 : Panduan Kadar Harga Servis Pajero

Bil.	Servis Mitsubishi Pajero	Harga (RM)
1	<u>Sistem Tayar</u> Kerja - kerja men-servis untuk sistem Wheel sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 balancing, 1.2 alignment, 1.3 adjust camber dan caster, 1.4 rotation tayar, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable	400.00
2	<u>Sistem Brek</u> Kerja - kerja men-servis untuk sistem brake sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Bleeding Air In Brake Line, 1.2 adjust parking brake, 1.3 skimming rotor disc, 1.4 mengganti Brake Fluid, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	600.00



3	<u>Sistem Penyejukan</u> Kerja - kerja men-servis untuk sistem penyejukan sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Cleaning Radiator Core, 1.2 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	450.00
4	<u>Sistem Enjin</u> Kerja - kerja men-servis untuk sistem enjin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Engine Oil 1.2 Menganti Oil Filter 1.3 Menganti Air Filter 1.4 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	650.00
5	<u>Sistem Tranmisi</u> Kerja - kerja men-servis untuk sistem Tranmision sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Gearbox Oil / ATF, 1.2 Menganti Axle Oil FR, 1.3 Menganti Axle Oil RR, 1.4 Menganti Transfer Box Oil, 1.5 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	650.00



6	<u>Sistem Stering</u> Kerja - kerja men-servis untuk sistem steering sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Power Steering Fluid, 1.2 Flushing Power Steering Fluid, 1.3 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	250.00
7	<u>Sistem Penyaman Udara</u> Kerja - kerja men-servis untuk sistem penghawa dingin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Mengecas Gas R134a 1.2 Menambah (RElectronic Fuel Injection (EFI)II) Compressor Oil 1.3 Mencuci Cooling Coil (Front & Rear) 1.4 Mencuci Condenser 1.5 Mencuci Blower 1.6 Menjalankan kerja-kerja Vacuum dan ujian tekanan pada Sistem. 1.7 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	950.00
8	<u>Sistem Elektrikal</u> Kerja - kerja scan/reset/setting Electronic Control Unit (ECU) dengan sempurna	300.00

10.0 PANDUAN INFORMASI – INOKOM SANTA-FE

10.1 Gambar Inokom Santa-Fe



Gambar 7 : Pandangan Hadapan Kenderaan Santa-Fe

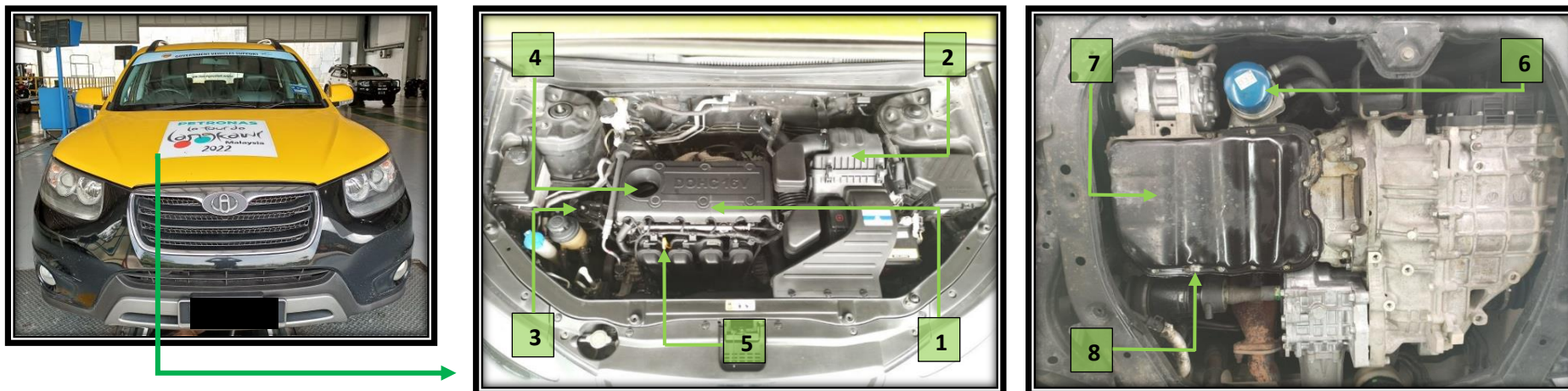


Gambar 8 : Pandangan Sisi Kenderaan Santa-Fe

Jadual 119 : Teknikal Data Inokom Santa-Fe

Bil	Perkara	Data Teknikal
1	Jenis Kenderaan	Jip
2	Tahun	2008 - 2010
3	Jenama dan model	Inokom Santa-Fe
4	Keupayaan Enjin	2.2L
5	Bahan api	Diesel
6	Tranmisi	Automatik

10.2 Gambarajah Sistem Enjin Inokom Santa-Fe

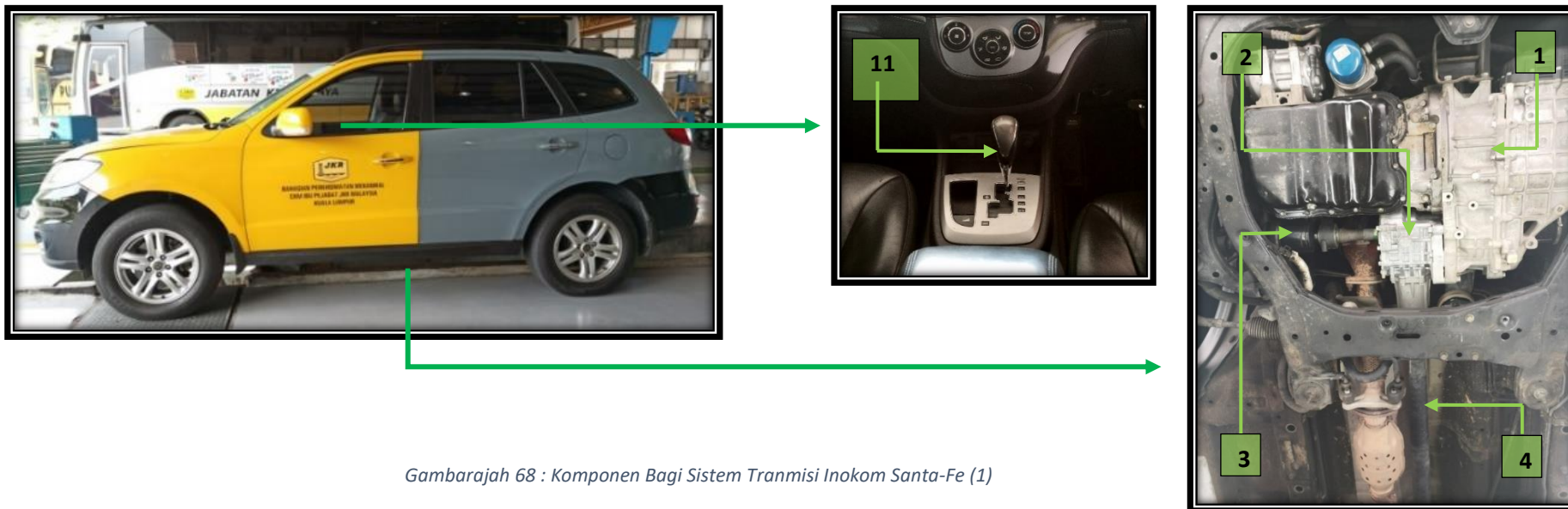


Gambarajah 67 : Komponen Bagi Sistem Enjin Inokom Santa-Fe

Jadual 120 : Deskripsi Sebahagian Komponen Umum Sistem Enjin Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	Engine Assembly
2	Air Filter Assembly
3	Engine Oil Cap
4	Engine Mounting
5	Engine Oil Dipstick
6	Engine Oil Filter
7	Engine Oil Sump
8	Engine Drain Plug

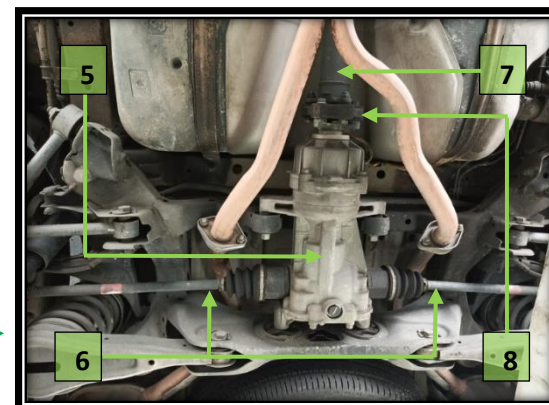
10.3 Gambarajah Sistem Tranmisi Inokom Santa-Fe



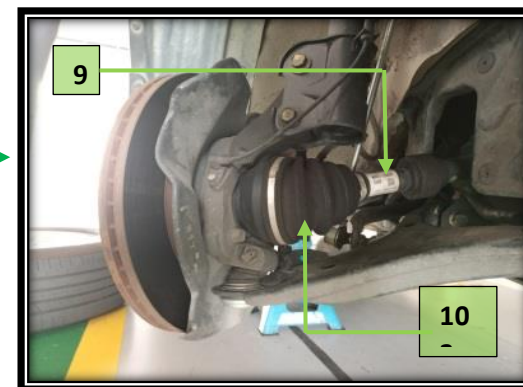
Gambarajah 68 : Komponen Bagi Sistem Tranmisi Inokom Santa-Fe (1)

Jadual 121 : Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Inokom Santa-Fe (1)

Nombor Rujukan	Deskripsi
1	Gearbox
2	Transfer Box
3	FR Drive Shaft
4	FR Propeller Shaft
11	Gear Shift Knob



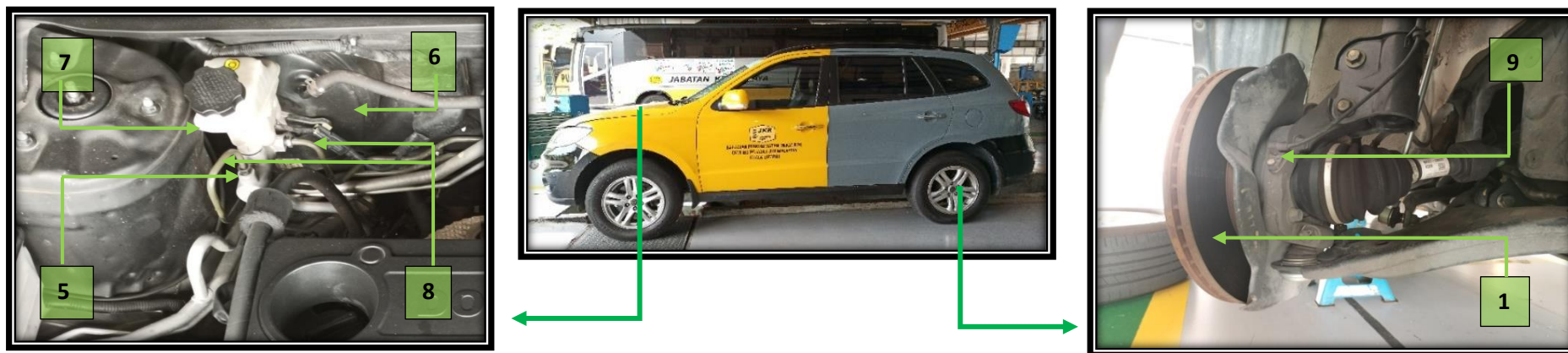
Gambarajah 69 : Komponen Bagi Sistem Tranmisi Inokom Santa-Fe (2)



Jadual 122: Deskripsi Sebahagian Komponen Umum Sistem Tranmisi Inokom Santa-Fe (2)

Nombor Rujukan	Deskripsi
5	RR Differential
6	RR Drive Shaft
7	RR Propeller Shaft
8	RR Propeller Shaft Rubber Coupling
9	FR Drive Shaft
10	FR Drive Shaft Boot

10.4 Gambarajah Sistem Brek Inokom Santa-Fe



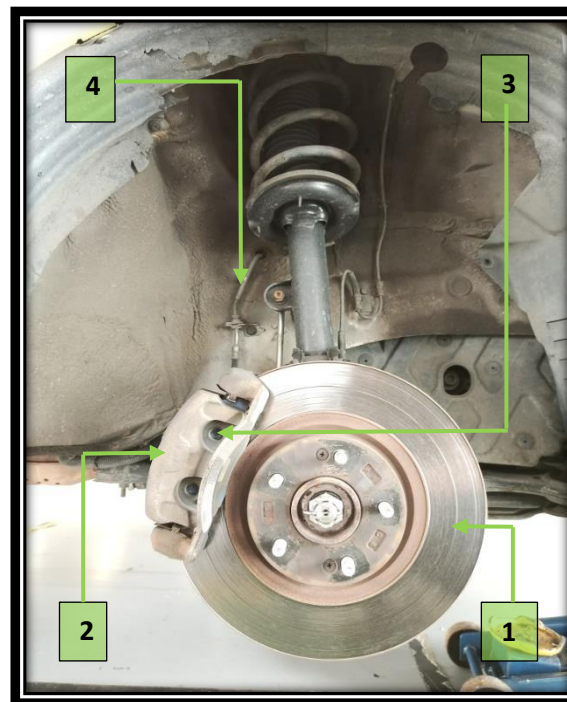
Gambarajah 70 : Komponen Bagi Sistem Brek Inokom Santa-Fe (1)

Jadual 123 : Deskripsi Sebahagian Komponen Umum Sistem Brek Inokom Santa-Fe (1)

Nombor Rujukan	Deskripsi
1	Rotor Disc Brake
5	Brake Master Pump
6	Brake Servo Assembly
7	Brake Fluid Reservoir Tank
8	Brake Pipe Line
9	Rotor Disc Brake Sensor



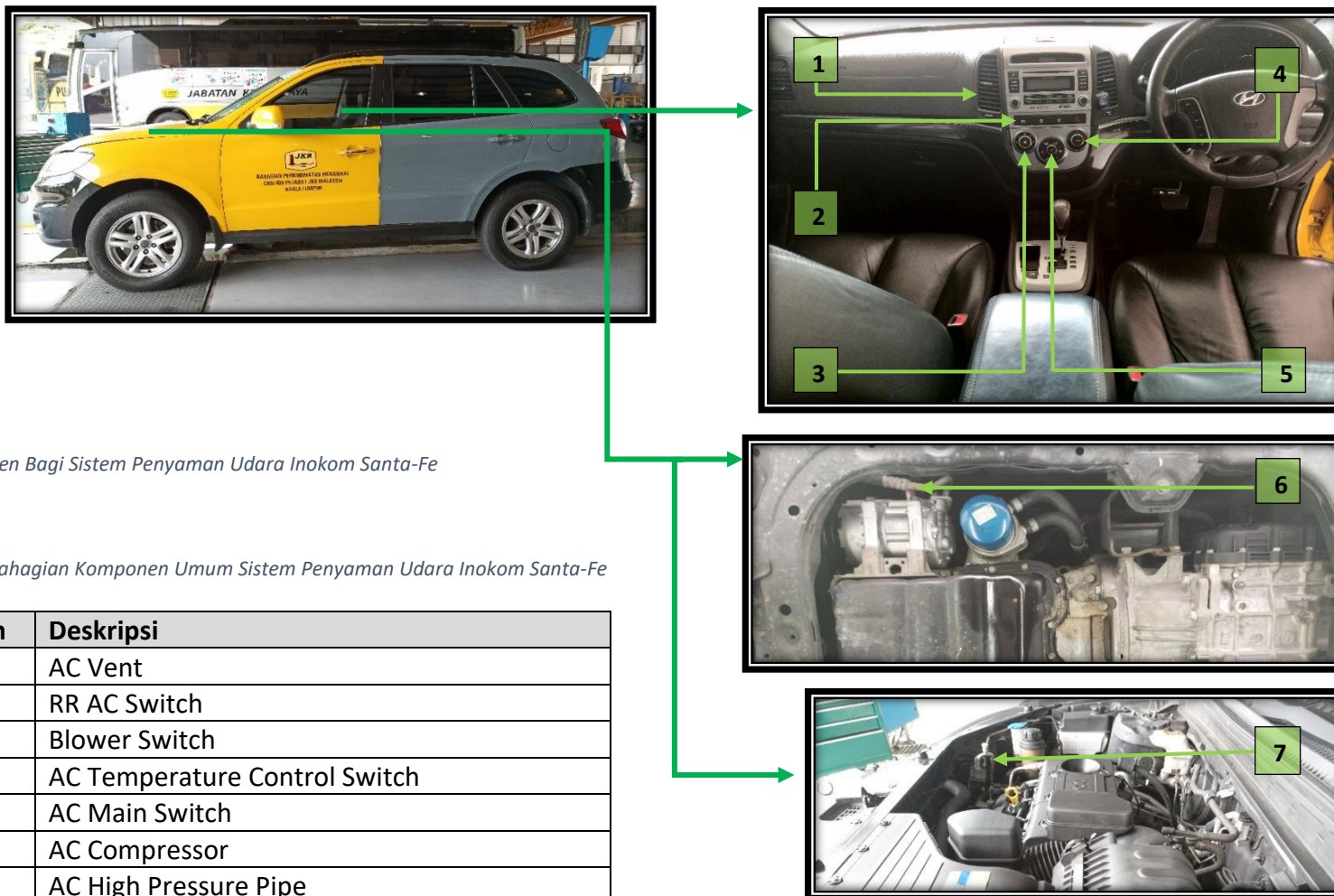
Gambarajah 71: Komponen Bagi Sistem Brek Inokom Santa-Fe (2)



Jadual 124 : Deskripsi Sebahagian Komponen Umum Sistem Brek Inokom Santa-Fe (2)

Nombor Rujukan	Deskripsi
1	Rotor Disc Brake
2	Brake Calliper
3	Brake Pad
4	Brake Hose

10.5 Gambarajah Sistem Penyaman Udara Inokom Santa-Fe

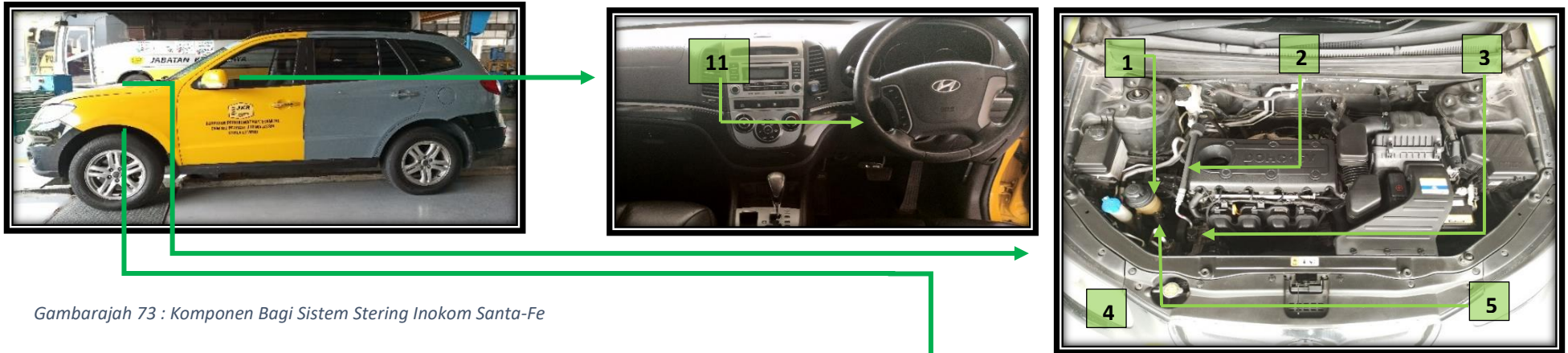


Gambarajah 72 : Komponen Bagi Sistem Penyaman Udara Inokom Santa-Fe

Jadual 125 : Deskripsi Sebahagian Komponen Umum Sistem Penyaman Udara Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	AC Vent
2	RR AC Switch
3	Blower Switch
4	AC Temperature Control Switch
5	AC Main Switch
6	AC Compressor
7	AC High Pressure Pipe

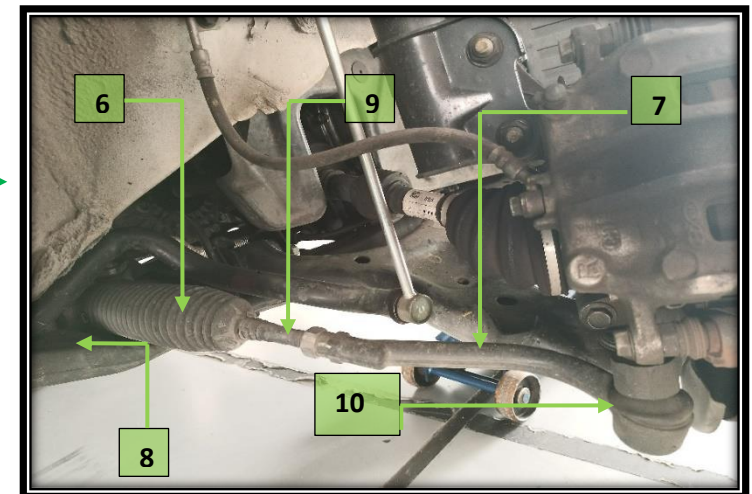
10.6 Gambarajah Sistem Stering Inokom Santa-Fe



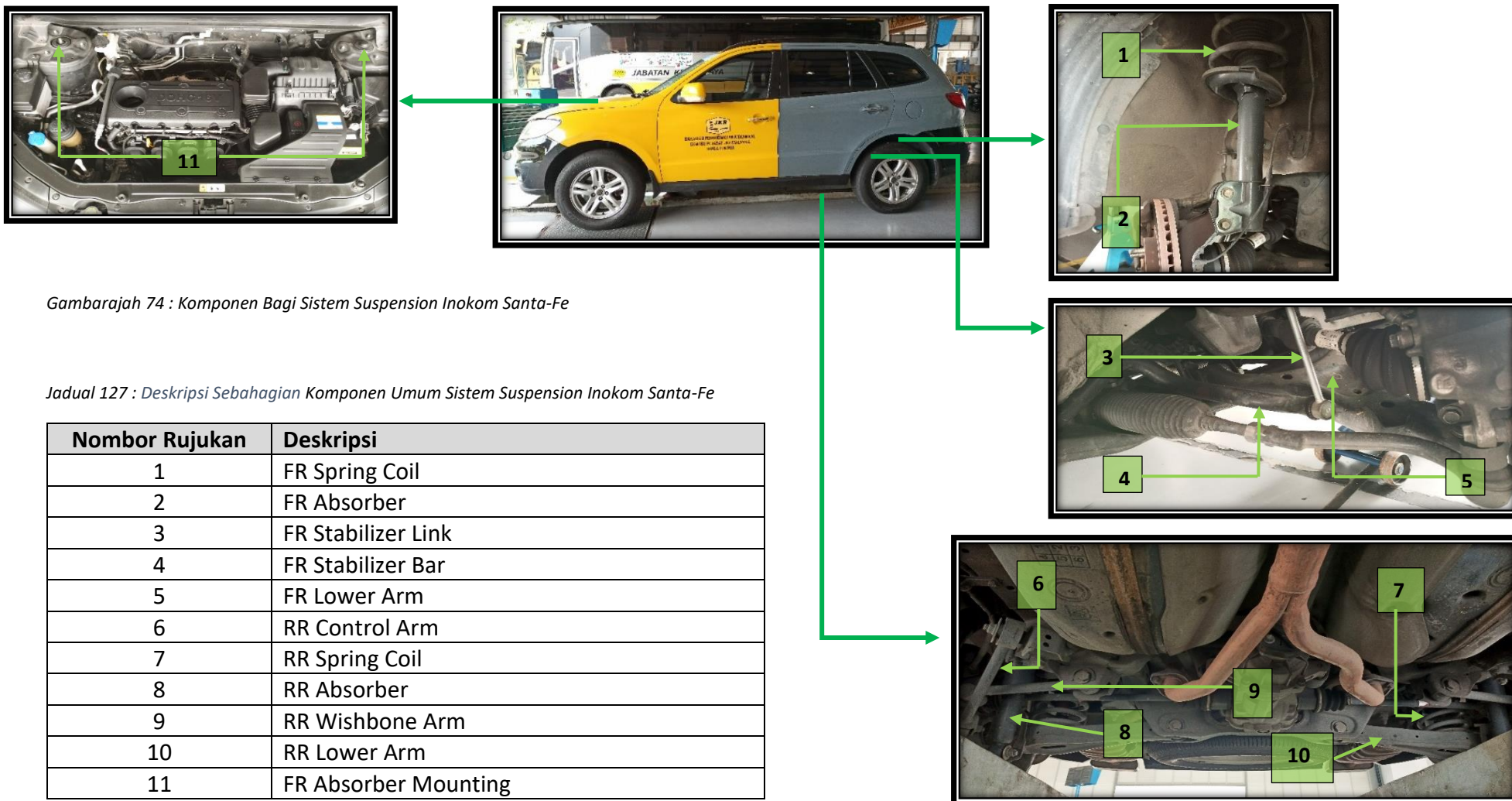
Gambarajah 73 : Komponen Bagi Sistem Stering Inokom Santa-Fe

Jadual 126 : Deskripsi Sebahagian Komponen Umum Sistem Stering Inokom Santa-Fe

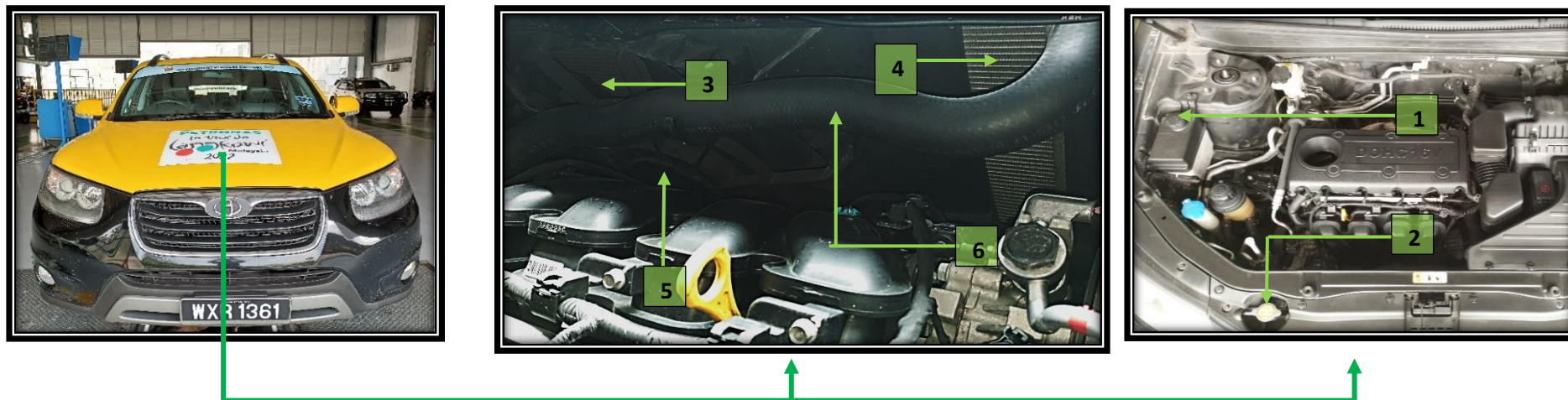
Nombor Rujukan	Deskripsi
1	Power Steering Fluid Tank
2	Power Steering Pressure Hose (Out)
3	Power Steering Pump
4	Power Steering Return Hose
5	Power Steering Suction Hose
6	Power Steering Rack Boot
7	Tie Rod End
8	Power Steering Rack
9	Tie Rod
10	Knuckle
11	Wheel Steering



10.7 Gambarajah Sistem Suspension Inokom Santa-Fe



10.8 Gambarajah Sistem Penyejukan Inokom Santa-Fe

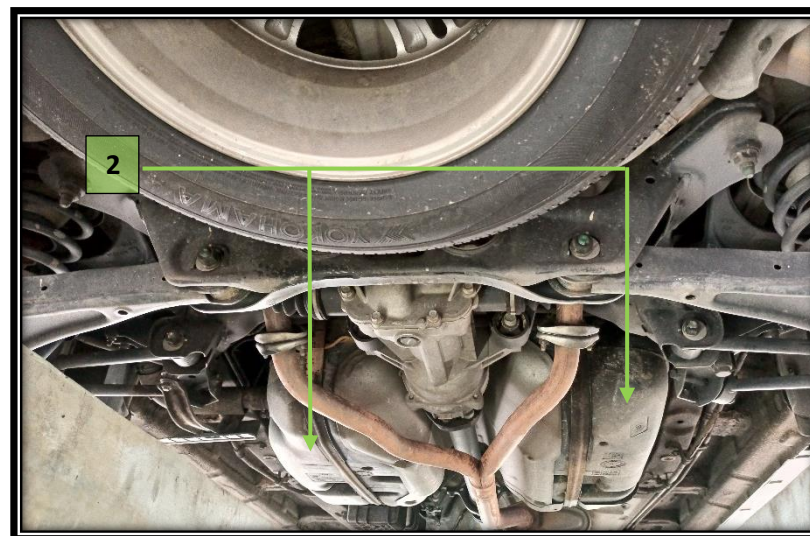
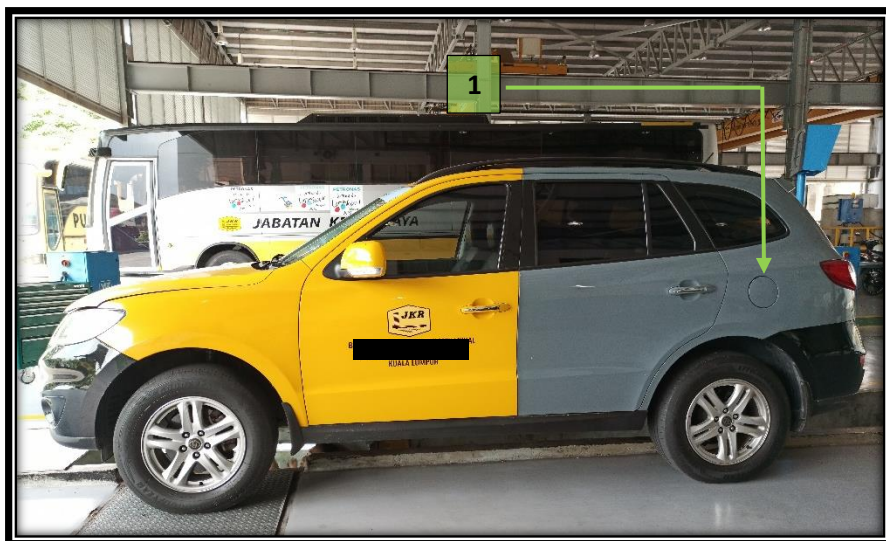


Gambarajah 75 : Komponen Bagi Sistem Penyejukan Inokom Santa-Fe

Jadual 128 : Deskripsi Sebahagian Komponen Umum Sistem Penyejukan Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	Expansion Tank
2	Radiator Cap
3	Fan Blade
4	Radiator
5	Fan Motor
6	Radiator Upper Hose

10.9 Gambarajah Sistem Bahan Api Inokom Santa-Fe

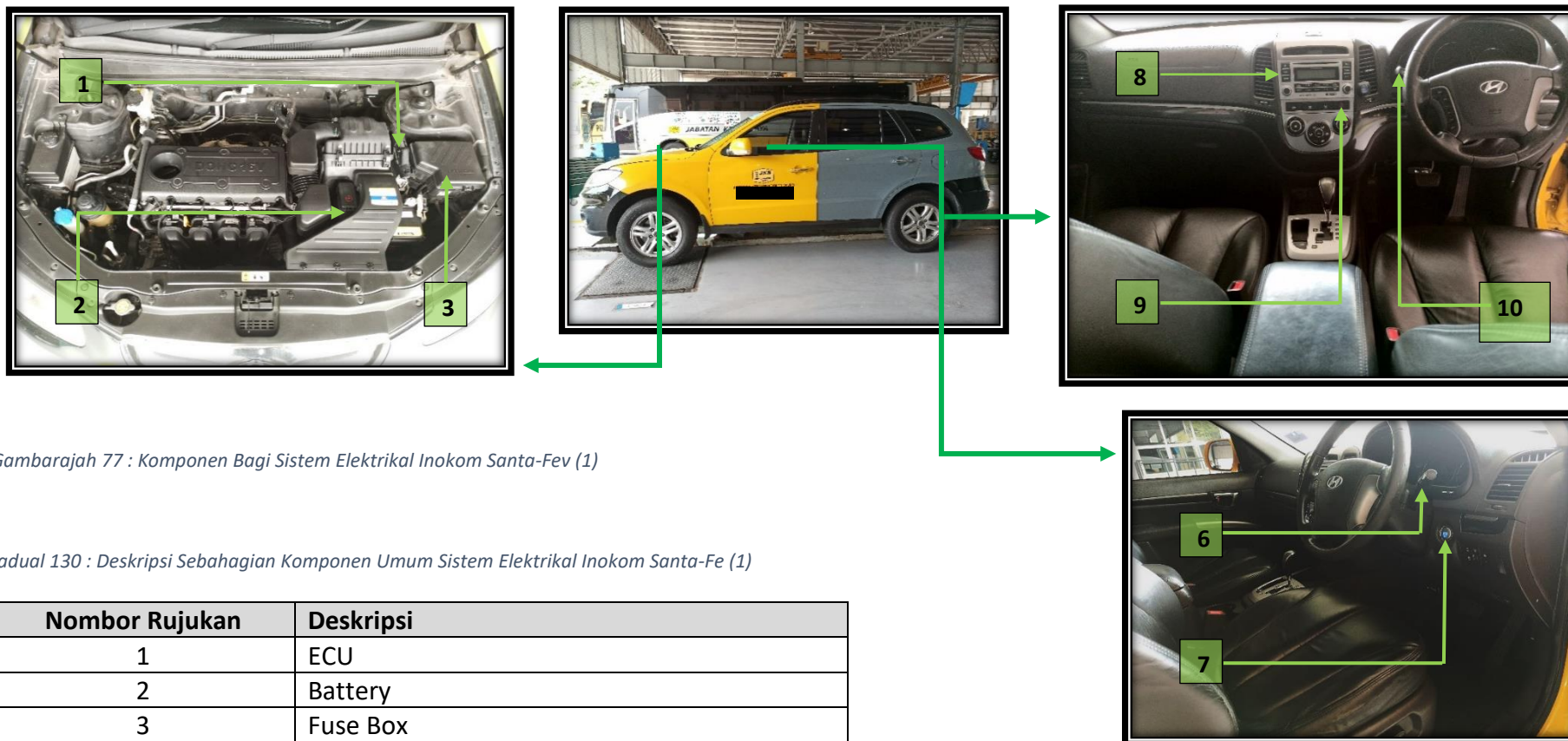


Gambarajah 76 : Komponen Bagi Sistem Bahan Api Inokom Santa-Fe

Jadual 129 : Deskripsi Sebahagian Komponen Umum Sistem Bahan Api Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	Fuel Tank
2	Fuel Cap Cover

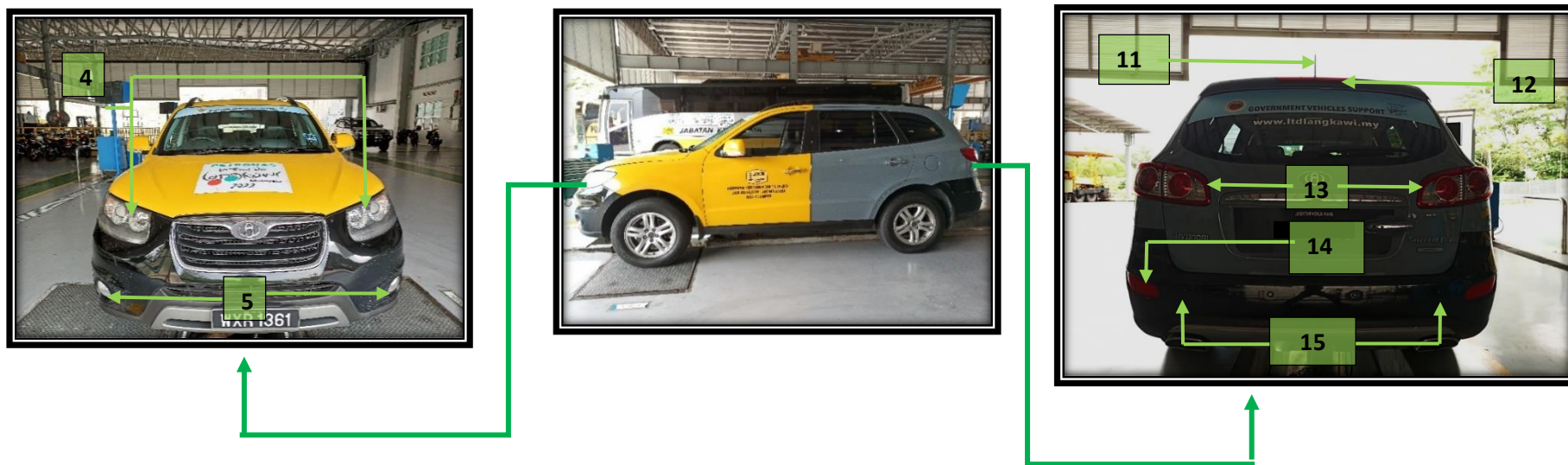
10.10 Gambarajah Sistem Elektrikal Inokom Santa-Fe



Gambarajah 77 : Komponen Bagi Sistem Elektrikal Inokom Santa-Fev (1)

Jadual 130 : Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Inokom Santa-Fe (1)

Nombor Rujukan	Deskripsi
1	ECU
2	Battery
3	Fuse Box
6	Signal & Lamp Switch
7	Ignition Switch
8	Radio
9	Hazard Lamp Switch
10	Wiper Switch



Gambarajah 78 : Komponen Bagi Sistem Elektrikal Inokom Santa-Fev (2)

Jadual 131: Deskripsi Sebahagian Komponen Umum Sistem Elektrikal Inokom Santa-Fe (2)

Nombor Rujukan	Deskripsi
4	Headlamp
5	FR Fog Lamp
11	Radio Antenna
12	Third Brake Lamp
13	Tail Lamp
14	RR Fog Lamp
15	Reverse Sensor

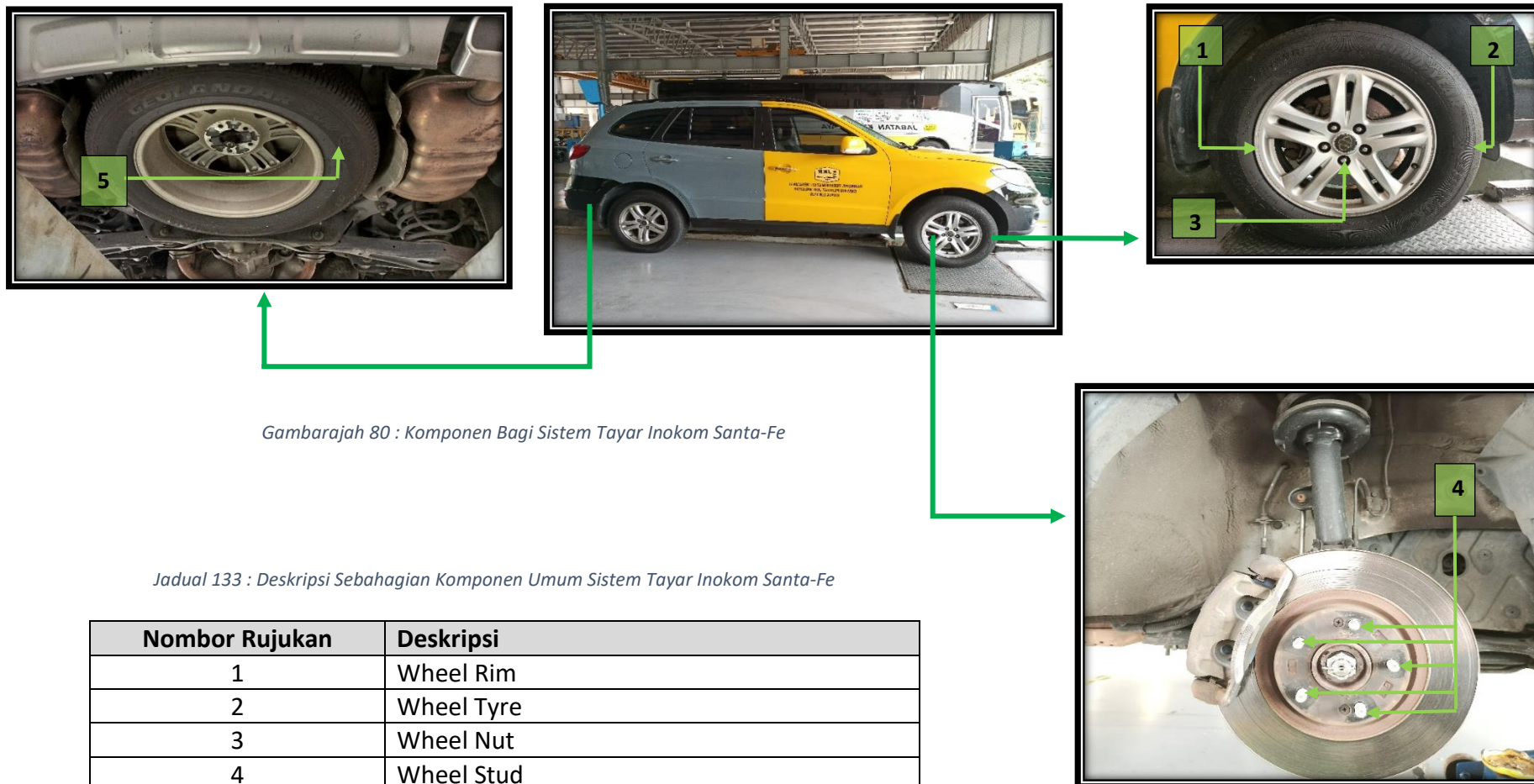
10.11 Gambarajah Sistem Ekzos Inokom Santa-Fe



Jadual 132 : Deskripsi Sebahagian Komponen Umum Sistem Ekzos Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	Exhaust Tip
2	RR Exhaust Muffler
3	Exhaust Pipe
4	Centre Exhaust Muffler
5	Catalytic Converter
6	Exhaust Mounting

10.12 Gambarajah Sistem Tayar Inokom Santa-Fe

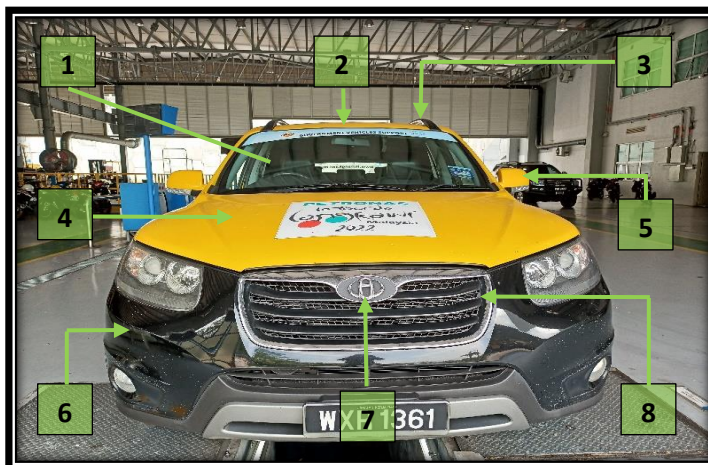


Gambarajah 80 : Komponen Bagi Sistem Tayar Inokom Santa-Fe

Jadual 133 : Deskripsi Sebahagian Komponen Umum Sistem Tayar Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	Wheel Rim
2	Wheel Tyre
3	Wheel Nut
4	Wheel Stud
5	Wheel Spare

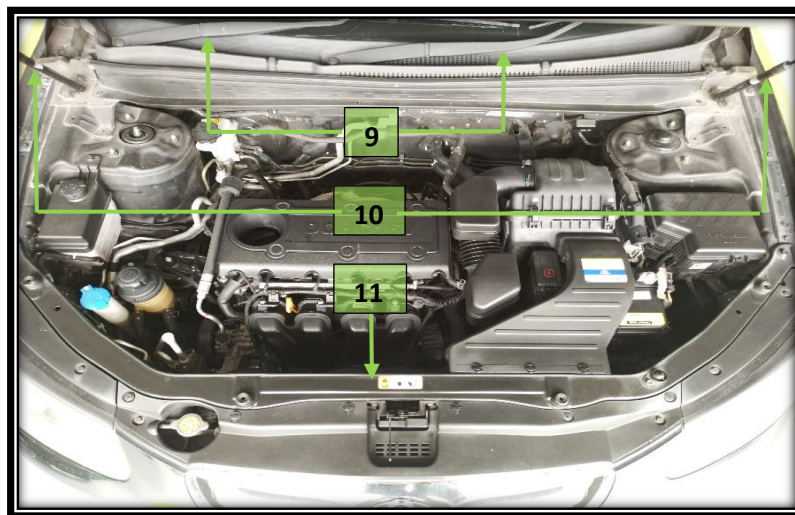
10.13 Gambarajah Sistem Badan Kenderaan Inokom Santa-Fe



Gambarajah 81 : Komponen Bagi Sistem Badan Kenderaan Inokom Santa-Fe (1)

Jadual 134 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Inokom Santa-Fe (1)

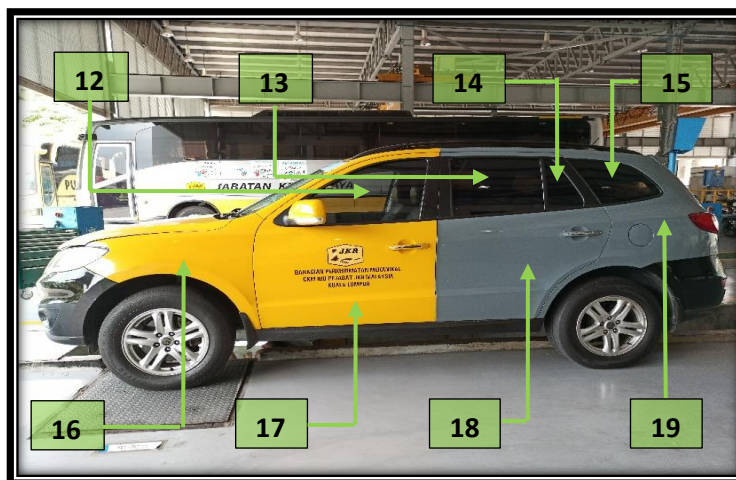
Nombor Rujukan	Deskripsi
1	FR Windscreen
2	Roof Panel
3	Roof Rack
4	FR Bonnet
5	Side Mirror
6	FR Bumper
7	Emblem
8	FR Grille



Gambarajah 82 : Komponen Bagi Sistem Badan Kenderaan Inokom Santa-Fe (2)

Jadual 135 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Inokom Santa-Fe (2)

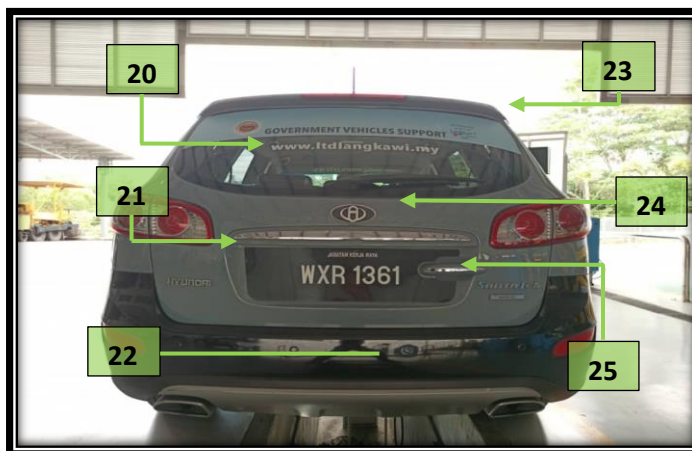
Nombor Rujukan	Deskripsi
9	FR Wiper Arm
10	FR Bonnet Damper
11	FR Panel



Gambarajah 83 : Komponen Bagi Sistem Badan Kenderaan Inokom Santa-Fe (3)

Jadual 136 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Inokom Santa-Fe (3)

Nombor Rujukan	Deskripsi
12	FR Door Glass
13	RR Door Glass
14	RR Door Vent Glass
15	RR Quarter Glass
16	FR Fender
17	FR Door
18	RR Door
19	RR Quarter Panel



Gambarajah 84 : Komponen Bagi Sistem Badan Kenderaan Inokom Santa-Fe (4)

Jadual 137 : Deskripsi Sebahagian Komponen Umum Sistem Badan Kenderaan Inokom Santa-Fe (4)

Nombor Rujukan	Deskripsi
20	RR Windscreen
21	Tailgate
22	RR Bumper
23	RR Spoiler
24	Emblem
25	Tailgate Handle

10.14 Gambarajah Sistem Dalaman Kenderaan Inokom Santa-Fe



Gambarajah 85 : Komponen Bagi Sistem Dalaman Kenderaan Inokom Santa-Fe

Jadual 138 : Deskripsi Sebahagian Komponen Umum Sistem Dalaman Kenderaan Inokom Santa-Fe

Nombor Rujukan	Deskripsi
1	FR Door Trim
2	Driver Seat
3	Floor Mat
4	Airbag Dashboard
5	Airbag Wheel Steering
6	Dashboard Panel
7	Armrest
8	RR Door Trim
9	Centre Seat



11.0 PANDUAN KADAR HARGA ALAT GANTI – INOKOM SANTA-FE

11.1 Sistem Enjin Inokom Santa-Fe

Jadual 139 : Panduan Kadar Harga Sistem Enjin Santa-fe

Bil.	Komponen Enjin Inokom Santa-Fe	Harga (RM)
1	Air Cleaner	120.00
2	Air Cleaner Intake Duct Tube	230.00
3	Air Filter Casing	500.00
4	Air Hose	130.00
5	Balancer Shaft	250.00
6	Belt	130.00
7	Cable Plug	250.00
8	Camshaft	560.00
9	Camshaft Oil Seal	130.00
10	Camshaft pulley	280.00
11	Coil	230.00
12	Connecting Rod	300.00
13	Conrod Bearing	180.00
14	Crankshaft	1,800.00
15	Crankshaft Bearing	180.00
16	Crankshaft Oil Seal	240.00
17	Crankshaft pulley	280.00
18	Dipstick	100.00
19	Drain Plug	70.00
20	Electronic Fuel Injection (EFI)	1,500.00
21	Engine Block	9,200.00
22	Engine Mounting	240.00
23	Engine Oil	170.00
24	Engine Oil Cooler	1,200.00



Bil.	Komponen Enjin Inokom Santa-Fe	Harga (RM)
25	Engine Oil Pump Set	3,500.00
26	Engine Oil Treatment	130.00
27	Exhaust Manifold	250.00
28	Exhaust Valve	130.00
29	Fan Motor	150.00
30	Fuel Injection Pump Oil Seal	80.00
31	Gasket Oil Pump	130.00
32	Hose Oil Cooler	100.00
33	Hydraulic Tensioner Damper	250.00
34	Idler Pulley No.1	250.00
35	Idler Pulley No.2	250.00
36	Injector	280.00
37	Intake Manifold	270.00
38	Intake Valve	120.00
39	Main Pulley	380.00
40	Oil Cooler Pipe Hose	250.00
41	Oil Filter	80.00
42	Oil Pan Washer	60.00
43	Oil Pressure Switch	250.00
44	Oil Pump	350.00
45	Oil Sump	230.00
46	Oil Sump Gasket	140.00
47	Overhaul Gasket Set	340.00
48	Pipe Line Petrol	150.00
49	Piston	360.00
50	Piston Pin	230.00
51	Piston Ring	150.00
52	Plug O-Ring	60.00
53	Push Rod	150.00



Bil.	Komponen Enjin Inokom Santa-Fe	Harga (RM)
54	Radiator	560.00
55	Rocker Arm	150.00
56	Rocker Cover	260.00
57	Spark Plug	150.00
58	Spring Valve Exhaust	150.00
59	Spring Valve Intake	150.00
60	Steering Box	4,000.00
61	Tappet	150.00
62	Tensioner Bearing	120.00
63	Throttle Body	1,700.00
64	Timing Cam Shaft Gear	240.00
65	Timing Chain	240.00
66	Timing Chain Set	1,300.00
67	Timing Chain Tensioner	240.00
68	Timing Cover	240.00
69	Tube Assy-Oil Cooler	300.00
70	Valve Cover Gasket	150.00
71	Valve Cover Hose	150.00
72	Valve Cover Oil Seal	150.00
73	Valve Pin	240.00
74	Valve Solenoid	240.00
75	Water Jacket	40.00
76	Water Separator Filter	100.00



11.2 Sistem Tranmisi Inokom Santa-Fe

Jadual 140 : Panduan Kadar Harga Sistem Tranmisi Santa-fe

Bil.	Komponen Tranmisi Inokom Santa-Fe	Harga (RM)
1	ATF Filter	260.00
2	ATF Oil 1Litre	70.00
3	ATF Oil 4 Litre	250.00
4	ATF Oil 5litre	280.00
5	ATF Treatment	150.00
6	Bearing	250.00
7	Breather Hose	150.00
8	Crown Wheel Gear	770.00
9	Drain Plug	150.00
10	Flywheel Bearing	170.00
11	Flywheel Oil Seal	250.00
12	FR Axle Oil EP90	150.00
13	FR LH Inner Drive Shaft Dust Cover	120.00
14	FR LH Outer Drive Shaft Dust Cover	120.00
15	FR Propeller Shaft Coupling	180.00
16	FR RH Inner Drive Shaft Dust Cover	120.00
17	FR RH Outer Drive Shaft Dust Cover	120.00
18	FR Universal Joint	160.00
19	Gear Lever	340.00
20	Gearbox Breather Hose	170.00
21	Gearbox Gasket	290.00
22	Gearbox Mounting	530.00
23	Gearbox Overhaul Gasket Set	250.00
24	LH Drive Shaft Oil Seal	110.00
25	Mounting and Differential Lock	400.00



Bil.	Komponen Tranmisi Inokom Santa-Fe	Harga (RM)
26	O Ring	70.00
27	Oil Cooler Hose	250.00
28	Oil Pump	250.00
29	Oil Seal	250.00
30	Oil Seal Shaft	150.00
31	Pinion Gear	770.00
32	Rear Axle Oil Seal	190.00
33	Rear Differential Oil	250.00
34	RH Drive Shaft Oil Seal	110.00
35	RR Axle Oil EP140	150.00
36	RR LH Inner Drive Shaft Dust Cover	120.00
37	RR LH Outer Drive Shaft Dust Cover	120.00
38	RR Propeller Shaft Coupling	180.00
39	RR RH Inner Drive Shaft Dust Cover	120.00
40	RR RH Outer Drive Shaft Dust Cover	120.00
41	RR Universal Joint	180.00
42	Transfer Box Mounting	290.00
43	Transfer Case Oil	250.00
44	Transfer Oil	250.00
45	Transfer Oil LSD	250.00
46	Transfer Overhaul Kit	250.00
47	Valve Body	290.00



11.3 Sistem Brek Inokom Santa-Fe

Jadual 141 : Panduan Kadar Harga Sistem Brek Santa-fe

Bil.	Komponen Brek Inokom Santa-Fe	Harga (RM)
1	Brake Fluid	150.00
2	Brake Master Pump	750.00
3	Brake Pedal Stopper Rubber	150.00
4	Brake Pipe Line	250.00
5	Brake Reservoir Tank	150.00
6	FR LH Brake Hose Pipe	150.00
7	FR LH Rotor Disc	790.00
8	FR RH Brake Hose Pipe	150.00
9	FR RH Rotor Disc	690.00
10	FR RH/LH Brake Pad	250.00
11	FR RH/LH Rotor Disc Sensor	250.00
12	Hand Brake Cable	250.00
13	RR RH/LH Brake Pad	250.00
14	RR RH/LH Rotor Disc Sensor	250.00



11.4 Sistem Penyaman Udara Inokom Santa-Fe

Jadual 142 : Panduan Kadar Harga Sistem Penyaman Udara Santa-fe

Bil.	Komponen Penyaman Udara Inokom Santa-Fe	Harga (RM)
1	A.C Blower	500.00
2	A.C Compressor Bracket	400.00
3	A.C Condenser	1,000.00
4	A.C Cooling Coil	480.00
5	A.C Expansion Valve	330.00
6	A.C Gas	250.00
7	A.C Receiver Drier	250.00
8	A.C Switch	250.00
9	Belting	100.00
10	Blower Switch	150.00
11	Cabin Filter	250.00
12	Compressor Oil	150.00
13	Drier	250.00
14	Fan Blade	50.00
15	Fan Motor	300.00
16	FR Expansion Valve	150.00
17	High Pressure Pipe	250.00
18	Hose / Pipe	150.00
19	Low Pressure Pipe	250.00
20	O Ring	70.00
21	Pressure Switch	250.00
22	RR Expansion Valve	150.00
23	Tensioner	250.00



11.5 Sistem Stering Inokom Santa-Fe

Jadual 143 : Panduan Kadar Harga Sistem Stering Santa-fe

Bil.	Komponen Stering Inokom Santa-Fe	Harga (RM)
1	Electric Power Steering Pump	1,900.00
2	Idler Arm	250.00
3	LH Knuckle	1,400.00
4	LH Steering Rack Bush	250.00
5	LH Tie Rod End	250.00
6	Power Steering Fluid	150.00
7	Power Steering Hose (In)	150.00
8	Power Steering Hose (Out)	150.00
9	Power Steering Pump	1,400.00
10	Power Steering Tank	190.00
11	Return Hose	150.00
12	RH Knuckle	1,300.00
13	RH Steering Rack Bush	250.00
14	RH Tie Rod End	250.00
15	Steering Box (Ball Bearing)	250.00
16	Steering Box (Rack & Pinion)	440.00
17	Steering Coupling	250.00
18	Steering Shaft Boot Cover	150.00
19	Suction Hose	110.00
20	Wheel Steering	460.00



11.6 Sistem Suspension Inokom Santa-Fe

Jadual 144 : Panduan Kadar Harga Sistem Suspension Santa-fe

Bil.	Komponen Suspension Inokom Santa-Fe	Harga (RM)
1	FR Axle	3,950.00
2	FR LH Absorber	580.00
3	FR LH Lower Arm	540.00
4	FR LH Lower Arm Ball Joint	340.00
5	FR LH Spring Coil	340.00
6	FR LH Upper Arm	480.00
7	FR RH Absorber	580.00
8	FR RH Lower Arm	520.00
9	FR RH Lower Arm Ball Joint	350.00
10	FR RH Spring Coil	340.00
11	FR RH Upper Arm	500.00
12	FR Stabilizer Link	530.00
13	LH Absorber Dust Cover	100.00
14	LH Absorber Mounting	250.00
15	LH Stabilizer Bar Bush	250.00
16	LH Torsion Bar Bush	250.00
17	Lower Arm Bush B	250.00
18	Lower Arm Bush S	180.00
19	Pit Man Arm	390.00
20	Rack End	250.00
21	RH Absorber Dust Cover	100.00
22	RH Absorber Mounting	250.00
23	RH Stabilizer Bar Bush	250.00
24	RH Torsion Bar Bush	250.00
25	RR Axle	3,300.00



Bil.	Komponen Suspension Inokom Santa-Fe	Harga (RM)
26	RR LH Absorber	580.00
27	RR LH Bump Stopper	180.00
28	RR LH Stabilizer Bar Bush	200.00
29	RR RH Absorber	580.00
30	RR RH Bump Stopper	180.00
31	RR RH Stabilizer Bar Bush	200.00
32	RR RH/LH Spring Bush	440.00
33	RR Stabilizer Link	350.00
34	Spring Colum	390.00
35	Upper Arm Bush	180.00



11.7 Sistem Penyejukan Inokom Santa-Fe

Jadual 145 : Panduan Kadar Harga Sistem Penyejukan Santa-fe

Bil.	Komponen Penyejukan Inokom Santa-Fe	Harga (RM)
1	Belting	100.00
2	By Pass Hose	80.00
3	By Pass Hose (Big)	90.00
4	By Pass Hose (Small)	90.00
5	By Pass Piping	250.00
6	Engine Coolant Piper O Ring	70.00
7	Engine Oil Cooler	690.00
8	Expansion Tank	280.00
9	Fan Blade	50.00
10	Fan Motor	300.00
11	Heater Hose	280.00
12	Hose Assy	250.00
13	Hose Clip	50.00
14	Radiator Bottom Hose	150.00
15	Radiator Cap	50.00
16	Radiator Coolant	80.00
17	Radiator Fan	330.00
18	Radiator Hose Upper Bracket	150.00
19	Radiator Top Hose	150.00
20	Radiator Upper Casing	330.00
21	Thermostat	190.00
22	Throttle Body Hose	150.00
23	Tube Assy Oil Cooler	750.00
24	Water Pump	590.00
25	Water Pump Pipe	150.00



11.8 Sistem Bahan Api Inokom Santa-Fe

Jadual 146 : Panduan Kadar Harga Sistem Bahan Api Santa-fe

Bil.	Komponen Bahan Api Inokom Santa-Fe	Harga (RM)
1	AC Pump	300.00
2	Valve	340.00
3	Fuel Filter	150.00
4	Fuel Pipe Line	250.00
5	Fuel Pump	1,300.00
6	Fuel Pump Gasket Kit	350.00
7	Fuel Tank	1,800.00
8	Fuel Tank Cap	190.00
9	Fuel Tank Cap O Ring	50.00
10	Nozzle Injector	420.00
11	Petrol A.C Pump	530.00
12	Plunger	600.00
13	Tank Neck Hose	250.00



11.9 Sistem Elektrikal Inokom Santa-Fe

Jadual 147 : Panduan Kadar Harga Sistem Elektrikal Santa-fe

Bil.	Komponen Elektrikal Inokom Santa-Fe	Harga (RM)
1	3rd Brake Lamp	250.00
2	Air Flow Sensor	250.00
3	Alarm Remote Case Cover	320.00
4	Alarm System	1,000.00
5	Bateri	570.00
6	Bulb Head Lamp	80.00
7	Bulb T10	60.00
8	Bulb T5	60.00
9	Camshaft Sensor	250.00
10	Clips	40.00
11	Crankshaft Sensor	330.00
12	Dim Light	270.00
13	Distributor	250.00
14	Electronic Control Unit (ECU)	1,000.00
15	EGR Vacuum Solenoid	370.00
16	Fan Belt	90.00
17	Fius Box	470.00
18	FR LH Power Window Motor	360.00
19	FR RH Power Window Motor	360.00
20	Fuel Gauge	300.00
21	Fuse 10A	40.00
22	Fuse 15A	30.00
23	Fuse 20A	30.00
24	Fuse 25A	30.00
25	Fuse 5A	30.00



Bil.	Komponen Elektrikal Inokom Santa-Fe	Harga (RM)
26	Hazard Light	150.00
27	Horn	330.00
28	Idle Air Control Sensor	250.00
29	Ignition Coil	250.00
30	Ignition Key	340.00
31	Ignition Switch	940.00
32	Intake Air Temperature Sensor	250.00
33	Inverter 150w	250.00
34	LH Break Lamp	570.00
35	LH Bulb - Brake Lamp	50.00
36	LH Head Lamp	830.00
37	LH Side Marker Light	250.00
38	LH Tail Lamp Bulb	40.00
39	Map Sensor	400.00
40	Mass Air Flow	250.00
41	Meter Panel	2,000.00
42	Odometer	250.00
43	Oxygen Sensor Lower	330.00
44	Oxygen Sensor Upper	250.00
45	Plate Number Bulb	50.00
46	Plate Number Lamp Assy	90.00
47	Relay Power Window	330.00
48	Relay Side Mirror	340.00
49	Reverse Lamp	90.00
50	Reverse Sensor	330.00
51	Reverse Sensor	330.00
52	RH Break Lamp	570.00
53	RH Bulb - Brake Lamp	70.00
54	RH Head Lamp	830.00



Bil.	Komponen Elektrikal Inokom Santa-Fe	Harga (RM)
55	RH Side Marker Light	250.00
56	RH Tail Lamp Bulb	50.00
57	RH/LH Fog Lamp	80.00
58	Roof Light	340.00
59	RPM Meter	250.00
60	RR LH Power Window Motor	350.00
61	RR RH Power Window Motor	350.00
62	Solenoid Switch	250.00
63	Speedometer	870.00
64	Starter Carbon	150.00
65	Starter Motor	1,200.00
66	Starter Regulator	310.00
67	Steering Clock Spring	350.00
68	Tachometer	250.00
69	Temperature Gauge	300.00
70	Thermostat Switch Sensor	250.00
71	Throttle Position Sensor	250.00
72	Tripmeter	250.00
73	Washer Tank Motor	230.00
74	Wiper Motor	1,100.00
75	Wiring	5,000.00
76	Wiring Radio	380.00
77	Wiring Starter Motor	450.00



11.10 Sistem Ekzos Inokom Santa-Fe

Jadual 148 : Panduan Kadar Harga Sistem Ekzos Santa-fe

Bil.	Komponen Ekzos Inokom Santa-Fe	Harga (RM)
1	Catalytic Converter	7,300.00
2	Centre Muffler	500.00
3	Exhaust Manifold	980.00
4	Exhaust Mounting	250.00
5	Exhaust Pipe	780.00
6	LH Exhaust Muffler Tip Stainless Steel Pipe	340.00
7	LH/RH Exhaust Muffler Tip Stainless Steel Pipe	350.00
8	Rear Gasket Exhaust	230.00
9	Rear Muffler	1,100.00
10	RH Exhaust Muffler Tip Stainless Steel Pipe	350.00



11.11 Sistem Tayar Inokom Santa-Fe

Jadual 149 : Panduan Kadar Harga Sistem Tayar Santa-fe

Bil.	Komponen Tayar Inokom Santa-Fe	Harga (RM)
1	Alignment	90.00
2	Balancing	60.00
3	Camber	250.00
4	Caster	280.00
5	FR RH/LH Wheel Bearing	250.00
6	FR RH/LH Wheel Bearing Oil Seal	150.00
7	Idle Arm	170.00
8	Pit Man Arm	180.00
9	RR RH/LH Wheel Bearing	250.00
10	RR RH/LH Wheel Bearing Oil Seal	150.00
11	Valve Stem	50.00
12	Wheel Nut	90.00
13	Wheel Rim	950.00
14	Wheel Stud	80.00



11.12 Sistem Badan Kenderaan Inokom Santa-Fe

Jadual 150 : Panduan Kadar Harga Sistem Badan Kenderaan Santa-fe

Bil.	Komponen Badan Kenderaan Inokom Santa-Fe	Harga (RM)
1	Arm Rest	400.00
2	Back Door Outer Handle	250.00
3	Base (Floor)	790.00
4	Bonnet	650.00
5	Centre Pillar	300.00
6	Centre Tunnel	770.00
7	Clip, Nut, Bracket	250.00
8	Clips	250.00
9	Coating	250.00
10	Damper	250.00
11	Emblem	360.00
12	FR Bumper	590.00
13	FR Grill	440.00
14	FR LH Door	1,100.00
15	FR LH Door Glass	600.00
16	FR LH Door Glass Moulding	250.00
17	FR LH Door Handle	250.00
18	FR LH Door Rubber	400.00
19	FR LH Outer Door Handle	250.00
20	FR LH Outside Door Lining	250.00
21	FR Panel	530.00
22	FR RH Door	1,100.00
23	FR RH Door Glass	570.00
24	FR RH Door Glass Moulding	250.00
25	FR RH Door Handle	250.00



Bil.	Komponen Badan Kenderaan Inokom Santa-Fe	Harga (RM)
26	FR RH Door Rubber	400.00
27	FR RH Outer Door Handle	250.00
28	FR RH Outside Door Lining	250.00
29	FR RH/LH Mud Flat	530.00
30	FR RH/LH Wheel Arch	370.00
31	FR Skirts	500.00
32	FR Spar	250.00
33	FR Windscreen	1,200.00
34	FR Wiper	90.00
35	Hood	900.00
36	LH Fender	590.00
37	LH Front Fender Liner Protector	250.00
38	LH Roof Lining	250.00
39	LH Side Mirror	470.00
40	LH Side Skirts	530.00
41	Mengecat Badan	3,200.00
42	Mengetuk Badan	1,300.00
43	Menyimen Badan	1,300.00
44	Panel Trunk	780.00
45	Polish	280.00
46	RH Fender	590.00
47	RH Front Fender Liner Protector	250.00
48	RH Roof Lining	250.00
49	RH Side Mirror	500.00
50	RH Side Skirts	500.00
51	RH/LH Body Quarter	900.00
52	RH/LH Rocker Panel Skin	500.00
53	Roof Panel	830.00
54	RR Bumper	660.00



Bil.	Komponen Badan Kenderaan Inokom Santa-Fe	Harga (RM)
55	RR Hook Cap	250.00
56	RR LH Bonnet Damper	250.00
57	RR LH Door	930.00
58	RR LH Door Glass	570.00
59	RR LH Door Glass Moulding	250.00
60	RR LH Door Handle	250.00
61	RR LH Door Rubber	400.00
62	RR LH Fender Liner Splash Shield	250.00
63	RR LH Outer Door Handle	250.00
64	RR LH Outside Door Lining	250.00
65	RR LH Pin Lock Tow	250.00
66	RR LH/RH Fender Liner Splash Shield	250.00
67	RR Quarter Panel	790.00
68	RR RH Bonnet Damper	240.00
69	RR RH Door	900.00
70	RR RH Door Glass	570.00
71	RR RH Door Glass Moulding	240.00
72	RR RH Door Handle	250.00
73	RR RH Door Rubber	400.00
74	RR RH Fender Liner Splash Shield	250.00
75	RR RH Outer Door Handle	240.00
76	RR RH Outside Door Lining	240.00
77	RR RH Pin Lock Tow	240.00
78	RR RH/LH Mud Flat	250.00
79	RR RH/LH Wheel Arch	350.00
80	RR Skirts	490.00
81	RR Windscreen	1,200.00
82	RR Wiper	90.00
83	Screen Panel	500.00



Bil.	Komponen Badan Kenderaan Inokom Santa-Fe	Harga (RM)
84	Scuttle	240.00
85	Seat	1,300.00
86	Seat Cover	960.00
87	Spoiler	300.00
88	UV Filter	660.00
89	Window Glass Lock Sliding	250.00
90	Windscreen Moulding	250.00
91	Wiper Arm	330.00



11.13 Sistem Dalaman Kenderaan Inokom Santa-Fe

Jadual 151 : Panduan Kadar Harga Sistem Dalaman Kenderaan Inokom Santa-fe

Bil.	Komponen Dalaman Kenderaan Inokom Santa-Fe	Harga (RM)
1	Carpet	250.00
2	Dashboard	1,120.00
3	Driver Seat	560.00
4	Floor Mat	250.00
5	FR LH Door Trim	350.00
6	FR RH Door Trim	350.00
7	FR/RR RH/LH Seat Belt	560.00
8	FR/RR RH/LH Seat Belt Buckle	560.00
9	Hand Rest	250.00
10	Passenger Seat	1,120.00
11	RH/LH Sun Visor	250.00
12	Roof Lining	250.00
13	RR LH Door Trim	350.00
14	RR RH Door Trim	350.00



11.14 Sistem Hiburan Dalaman Inokom Santa-Fe

Jadual 152 : Panduan Kadar Harga Sistem Hiburan Dalaman Inokom Santa-fe

Bil.	Komponen Hiburan Dalaman Inokom Santa-Fe	Harga (RM)
1	FR RH/LH Speakers	250.00
2	Radio	400.00
3	Radio Antenna	150.00
4	RR RH/LH Speakers	250.00



11.15 Assembly Set Inokom Santa-Fe

Jadual 153 : Panduan Kadar Harga Assembly set Inokom Santa-fe

Bil.	Assembly Set Inokom Santa-Fe	Harga (RM)
1	Auto Tensioner Assy	250.00
2	Brake Servo Assy	430.00
3	Cylinder Head Assy	6,300.00
4	Idler Bearing Assy	250.00
5	FR LH Drive Shaft Assy	330.00
6	FR RH Drive Shaft Assy	340.00
7	Gearbox Automatic Assy	28,300.00
8	Propeller Shaft Assy	2,000.00
9	RR Differential Assy	2,500.00
10	RR Differential Assy Overhaul Kit	250.00
11	Torque Converter Assy	1,800.00
12	Transfer Assy	1,300.00
13	FR LH Brake Pump (Calliper) Assy	600.00
14	FR RH Brake Pump (Calliper) Assy	600.00
15	RR LH Brake Pump (Calliper) Assy	650.00
16	RR RH Brake Pump (Calliper) Assy	650.00
17	A.C Compressor Assy	1,800.00
18	Fan Motor Assy	400.00
19	Manual Climate Control HVAC Assy	1,400.00
20	Power Steering Rack Assy	3,000.00
21	Engine Coolant Thermostat Housing Assy	390.00
22	Motor Fan Assy	400.00
23	Radiator Assy	1,800.00
24	Alternator Assy	1,500.00
25	FR LH Door Lock Actuator Assy	320.00



Bil.	Assembly Set Inokom Santa-Fe	Harga (RM)
26	FR RH Door Lock Actuator Assy	320.00
27	Power Window Main Switch Assy	500.00
28	RR LH Door Lock Actuator Assy	320.00
29	RR RH Door Lock Actuator Assy	320.00
30	Fuel Filler Spring Assy	250.00
31	RR Bumper Lower Cover Assy	540.00
32	RR Bumper Reinforcement Assy	250.00
33	RR LH Reflex Reflector Lamp Assy	240.00
34	RR LH/RH Reflex Reflector Lamp Assy	250.00
35	RR RH Reflex Reflector Lamp Assy	240.00
36	Side Step Assy	700.00

11.16 Servis Inokom Santa-Fe

Jika terdapat sebarang pembekalan dan penggantian alat ganti yang terlibat dengan kerja-kerja tersebut, sila rujuk jadual kadar harga alat ganti yang berkenaan.

- * Kerja-kerja membuka, membekal dan memasang alat ganti baru sehingga berfungsi dengan sempurna.
- * Upah kerja servis dan baikpulih adalah berkadar dengan 20% daripada harga alat ganti yang digunakan.

Jadual 154 : Panduan Kadar Harga Servis Inokom Santa-fe

Bil.	Servis Inokom Santa-Fe	Harga (RM)
1	<u>Sistem Tayar</u> Kerja - kerja men-servis untuk sistem Wheel sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Balancing, 1.2 Aligment, 1.3 Adjust Camber dan Caster, 1.4 Rotation tayar, 1.5 dan lain-lain kerja berkaitan termasuk penggantian <i>consumeable</i>	300.00
2	<u>Sistem Brek</u> Kerja - kerja men-servis untuk sistem brake sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Bleeding Air In Brake Line, 1.2 adjust Parking Brake, 1.3 skimming Rotor Disc, 1.4 mengganti Brake Fluid, 1.5 dan lain-lain kerja berkaitan termasuk penggantian <i>consumeable</i> .	500.00



Bil.	Servis Inokom Santa-Fe	Harga (RM)
3	<u>Sistem Penyejukan</u> Kerja - kerja men-servis untuk sistem penyejukan sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Flushing & Cleaning Radiator Core, 1.2 dan lain-lain kerja berkaitan termasuk penggantian <i>consumeable</i> .	300.00
4	<u>Sistem Enjin</u> Kerja - kerja men-servis untuk sistem enjin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Engine Oil 1.2 Menganti Oil Filter 1.3 Menganti Air Filter 1.4 dan lain-lain kerja berkaitan termasuk penggantian <i>consumeable</i> .	450.00
5	<u>Sistem Tranmisi</u> Kerja - kerja men-servis untuk sistem Tranmision sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Gearbox Oil / ATF, 1.2 Menganti Axle Oil FR, 1.3 Menganti Axle Oil RR, 1.4 Menganti Transfer Box Oil, 1.5 dan lain-lain kerja berkaitan termasuk penggantian <i>consumeable</i> .	500.00



Bil.	Servis Inokom Santa-Fe	Harga (RM)
6	<u>Sistem Stering</u> Kerja - kerja men-servis untuk sistem steering sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Menganti Power Steering Fluid, 1.2 Flushing Power Steering Fluid, 1.3 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	200.00
7	<u>Sistem Penyaman Udara</u> Kerja - kerja men-servis untuk sistem penghawa dingin sehingga berfungsi dengan sempurna, termasuk, namun tidak terhad kepada: 1.1 Mengecas Gas R134a 1.2 Menambah (Electronic Fuel Injection (EFI)) Compressor Oil 1.3 Mencuci Cooling Coil (Front & Rear) 1.4 Mencuci Condenser 1.5 Mencuci Blower 1.6 Menjalankan kerja-kerja Vacuum dan ujian tekanan pada Sistem. 1.7 dan lain-lain kerja berkaitan termasuk penggantian consumeable.	800.00
8	<u>Sistem Elektrikal</u> Kerja - kerja scan/reset/setting ECU dengan sempurna	200.00



12.0 RUJUKAN

9.1 Senarai Rujukan

9.1.1 Panduan Maklumat Penyediaan Anggaran Harga

9.1.2 Harga Pembekal

9.1.3 Input Teknikal daripada Bengkel Jawatankuasa Jadual Kadar Harga

9.1.4 Input Teknikal Dari JKR Mekanikal Negeri.

9.1.5 Rekod-Rekod Perolehan 2019-2022



13.0 PENGHARGAAN

Setinggi-tinggi penghargaan dan terima kasih diucapkan kepada mereka yang telah memberi sumbangan dalam bentuk idea, buah fikiran, usaha dan masa dalam membangunkan Buku Panduan Kadar Harga Alat Ganti Dan Komponen Bagi Pembaikan Serta Servis Kenderaan Edisi 1 2023 di dalam beberapa siri mesyuarat penyelarasan dan pembangunan dokumen ini yang telah diadakan sejak dari Februari 2023 sehingga Jun 2023

Pengurusan Cawangan Kejuruteraan Mekanikal, JKR

- | | |
|--|-------------------|
| 1. Ir. Zulkifli bin Abdul Rashad (Pengarah Kanan) | Penaung |
| 2. Ir. Aishah Hazlina Binti Md Dean (Pengarah Khidmat Pakar) | Penasihat |
| 3. Ir. Suhaili Bin Mansor (Pengarah Rekabentuk) | Penasihat Bersama |

Ketua Jurutera Mekanikal BPMEK dan KJM Negeri, CKM JKR

- | | |
|--|-------------------|
| 3. Ts. Norhisham Bin Launah (KJM) | Penyelaras |
| 4. Ir. Mohd Azmi Bin Asif (KJMN Selangor) | Ahli Jawatankuasa |
| 5. Ir. Hisham Bin Mokhtar (KJMN Johor) | Ahli Jawatankuasa |
| 6. Ir. Hj. Che Hasim Bin Awang (KJMN Pahang) | Ahli Jawatankuasa |
| 7. Ir. Abu Bakar Bin Ishak (KJMN Melaka) | Ahli Jawatankuasa |
| 8. Zuraini Binti Zakaria (KJMN Kedah) | Ahli Jawatankuasa |
| 9. Ir. Mahadhir Bin Mustaffa (KJMN Perak) | Ahli Jawatankuasa |
| 10. Ir. Ahmad Humaizi B Mohamad (KJMN Terengganu) | Ahli Jawatankuasa |
| 11. Mohd Faizul Bin Mahdzan (KJMN Pulau Pinang) | Ahli Jawatankuasa |
| 12. Azlina Binti Mohd Yasin (KJMN Negeri Sembilan) | Ahli Jawatankuasa |
| 13. Ir. Ts. Irfah Binti Ismail (KJMN Perlis) | Ahli Jawatankuasa |
| 14. Renold Gimik (KJMN Labuan) | Ahli Jawatankuasa |



Bahagian Perkhidmatan Mekanikal, CKM JKR

15. Hamizan Bin Husain	Ketua Jawatankuasa
16. Ir. Mohamad Nizam bin Ibrahim	Ahli Jawatankuasa
17. Mohd Amirul Aswad bin Khairuddin	Ahli Jawatankuasa
18. Ts. Mohd Azlan bin Umar	Ahli Jawatankuasa
19. Suhaizai bin Saad	Ahli Jawatankuasa
20. Mohd Ariffin Bin Mat Wahi	Ahli Jawatankuasa
21. Mohammad Iskandar Bin Dahari	Ahli Jawatankuasan
22. Mohd Ramady Bin Md Zainul	Ahli Jawatankuasa
23. Mohd Zulkifli Bin Zakaria	Ahli Jawatankuasa
24. Ahmad Khairuddin bin Ashaari	Ahli Jawatankuasa
25. Wan Noor Azlinda Binti Megat Nordin	Ahli Jawatankuasa
26. Mohamad Nizam Bin Kamaruddin	Ahli Jawatankuasa
27. Ramli Bin Shafie	Ahli Jawatankuasa
28. Kamarudin bin Sepat	Ahli Jawatankuasa
29. Amir Hamzah Bin Jufferi	Ahli Jawatankuasa

Cawangan Kejuruteraan Mekanikal Negeri, JKR

30. Ir. Mohd Sudin bin Mat Isa (Pulau Pinang)	Ahli Jawatankuasa
31. Ir. Mohamad Amir bin Hashim (Terengganu)	Ahli Jawatankuasa
32. Ir Mohamad Hafez bin Khairan (Johor)	Ahli Jawatankuasa
33. Ts Mohd Bahktiar bin Bahadon (Kedah)	Ahli Jawatankuasa
34. Ameyrullah bin Arshad (Negeri Sembilan)	Ahli Jawatankuasa
35. Muhammad Fakzan bin Ghazali (Selangor)	Ahli Jawatankuasa
36. Noryati binti Mustapa (Melaka)	Ahli Jawatankuasa
37. Norizan @ Nur Izzah bin Bakar (Kelantan)	Ahli Jawatankuasa
38. Ir. Harizal bin Omar (Perlis)	Ahli Jawatankuasa
39. Mohamad Ihsan bin Mokhtar (Pulau Pinang)	Ahli Jawatankuasa
40. Ahmad Amiruddin bin Rosdi (Terengganu)	Ahli Jawatankuasa
41. Wan Nurul Athirah binti Wan Nor Yuhaidi (Pahang)	Ahli Jawatankuasa



42. Jacqueline Menggan Anak John Linggan (Labuan)	Ahli Jawatankuasa
43. Fazil bin Hamzah (Perlis)	Ahli Jawatankuasa
44. Suffian Hadi bin Yazid (N.Sembilan)	Ahli Jawatankuasa
45. Ahmad Abd. Bari Ilmu Sauwir bin Abd. Karim (Melaka)	Ahli Jawatankuasa
46. Ahmad Nazri bin Nordin (Perak)	Ahli Jawatankuasa
47. Yusmizan bin Yusuf (Kedah)	Ahli Jawatankuasa
48. Izal Izlan bin Misnon (Selangor)	Ahli Jawatankuasa
49. Mohd Hazmiell bin Nasri (Johor)	Ahli Jawatankuasa
50. Mohd Fadhli bin Mohammad (Kelantan)	Ahli Jawatankuasa
51. Hafizi Razif bin Husainy (P.Pinang)	Ahli Jawatankuasa
52. Ahmad Aznan bin Yusop (Johor)	Ahli Jawatankuasa
53. Mohd Harmizie bin Hasan (Perak)	Ahli Jawatankuasa
54. Mohd Zulkifli bin Ismail (P.Pinang)	Ahli Jawatankuasa
55. Muhammad Ihsan bin Ahmad Effendi (Pahang)	Ahli Jawatankuasa
56. Mohd Shahrulnizam bin Ab Wahab (Pahang)	Ahli Jawatankuasa
57. Azrol bin Yahya (Johor)	Ahli Jawatankuasa
58. Mohd Subhan bin Basar (Selangor)	Ahli Jawatankuasa
59. Zaiful Eiza bin Zainal (N.Sembilan)	Ahli Jawatankuasa
60. Hamidon bin Amit (Melaka)	Ahli Jawatankuasa
61. Mohd Rizal bin Mahamat Bharudin (Kelantan)	Ahli Jawatankuasa
62. Izham bin Mohd Yusof (Selangor)	Ahli Jawatankuasa
63. Jaine bin Radin (Labuan)	Ahli Jawatankuasa
64. Kamil bin Abas (Labuan)	Ahli Jawatankuasa
65. Mazlan bin Ahmad (Kedah)	Ahli Jawatankuasa
66. Salahudin bin Zakaria (Terengganu)	Ahli Jawatankuasa
67. Kamaruddin bin Abd. Talib (Terengganu)	Ahli Jawatankuasa



**CAWANGAN KEJURUTERAAN MEKANIKAL
IBU PEJABAT JKR MALAYSIA
BLOK G JALAN SULTAN SALAHUDDIN
50480 KUALA LUMPUR**



BUKU PANDUAN KADAR HARGA BAGI ALAT GANTI DAN KOMPONEN BAGI PEMBAIKAN DAN SERVIS KENDERAAN EDISI PERTAMA TAHUN 2023