

Report No: 0462-19-TCA

30 September 2019

ACCIDENT VEHICLE SURVEY REPORT

Chua Chuan Heng
Blk 813 Jurong West St 81 #04-176
Singapore 640183

VEHICLE INFORMATION:

<i>Vehicle Reg No.:</i>	SLD932Y	<i>Odometer:</i>	64732km
<i>Make & Model:</i>	Toyota Corolla Altis 1.6 CVT	<i>Colour:</i>	Black
<i>Chassis number:</i>	MR053REH104549329	<i>Date of accident:</i>	31/08/2018
<i>Year of Regn.:</i>	02/06/2016	<i>Date inspected:</i>	31/08/2018
<i>Repairer at:</i>	Twincar Automotive Pte Ltd 2 Kaki Bukit Ave 2 #01-17 Kaki Bukit Auto Hub Singapore 417921	<i>Date inspected (After Repair):</i>	11/09/2018

STATIC CHECKS, where applicable:

<i>Steering :</i>	serviceable
<i>Footbrake :</i>	serviceable
<i>Handbrake :</i>	serviceable
<i>Paintwork :</i>	Good
<i>General condition :</i>	Good

TIRE CONDITION:

	<u>LH / Make</u>	<u>RH / Make</u>	<u>Size</u>
<i>Front:</i>	5mm/Michelin	5mm/Michelin	215/45ZR19
<i>Rear:</i>	5mm/Michelin	5mm/Michelin	215/45ZR19

POINT OF IMPACT AND DAMAGE, where applicable:

Impact on the rear and front portion.
Please see details as described in the Annex for parts and labour.

REMARKS:

We have inspected the above-mentioned vehicle on a "Without Prejudice" basis.

Parts and Labour Assessment

PARTS

Description of part	Qty	Condition	Repairer's estimate	Our adjustment	
AIRCON CONDENSER	1	bent	2,173.20	2,173.20	1287
FRONT BONNET	1	buckled	1,140.40	1,140.40	1059
FRONT BONNET HINGES L/R	2	bent	264.50	264.50	X SVC
FRONT BONNET INNER RUBBER SEAL	1	deformed	62.70	62.70	X SVC
FRONT BONNET INSULATOR	1	deformed	435.10	435.10	X SVC
FRONT BONNET MECHANISM LOCK	1	bent	271.85	271.85	130
FRONT BRACE PANEL	1	bent	182.10	182.10	121.5
FRONT BUMPER	1	squashed	581.45	581.45	503.9
FRONT BUMPER FOGLAMP GARNISH L/R	2	necessary	382.70	382.70	X SVC
FRONT BUMPER FOGLAMP L/R	2	fractured	579.80	579.80	X SVC
FRONT BUMPER LOWER GRILLE	1	fractured	191.40	191.40	170.1
FRONT BUMPER REINFORCEMENT	1	bent	374.45	374.45	✓
FRONT BUMPER SIDE RETAINER L/R	2	necessary	264.20	264.20	120.8
FRONT BUMPER SPONGE	1	deformed	186.10	186.10	90.1
FRONT BUMPER UNDER COVER	1	fractured	277.25	277.25	X SVC
FRONT FENDER 'VVTI' EMBLEM L/R	2	necessary	90.20	90.20	X SVC
FRONT GRILLE	1	fractured	595.90	595.90	✓
FRONT GRILLE 'LOGO' EMBLEM	1	necessary	65.45	65.45	47.9
FRONT GRILLE TOP GARNISH	1	reuse	92.00	0.00	SVC
FRONT GRILLE TOP RUBBER SEAL	1	deformed	81.90	81.90	X SVC
FRONT HEADLAMP (L.E.D) L/R	2	fractured	5,886.00	5,886.00	✓
FRONT HEADLAMP LOWER BRACKET L/R	2	bent	264.20	264.20	X SVC
FRONT HEADLAMP MOULDING L/R	2	necessary	283.00	283.00	87.8
FRONT HORN HI & LOW	2	distortion	464.00	464.00	X SVC
FRONT LH FENDER	1	repair	656.00	0.00	SVC
FRONT LH FENDER INNER SHIELD	1	reuse	161.30	0.00	SVC
FRONT SUPPORT PANEL	1	bent	2,121.40	2,121.40	989
RADIATOR (AUTO)	1	bent	2,142.30	2,142.30	1601
RADIATOR CENTER TOP BRACKET	1	bent	155.30	155.30	X SVC
RADIATOR FAN BLADE	1	warped	191.10	191.10	X SVC
RADIATOR FAN COWLING	1	distorted	244.50	244.50	X SVC
RADIATOR FAN MOTOR	1	shorted	394.40	394.40	X SVC
RADIATOR TOP BRACKET L/R	2	bent	106.20	106.20	X SVC
RADIATOR TOP MOUNTING L/R	2	distorted	151.40	151.40	X SVC
REAR BOOTLID	1	buckled	781.10	781.10	680
REAR BOOTLID 'ALTIS' EMBLEM	1	necessary	54.10	54.10	✓
REAR BOOTLID 'COROLLA' EMBLEM	1	necessary	50.20	50.20	✓
REAR BOOTLID 'LOGO' EMBLEM	1	necessary	58.50	58.50	✓
REAR BOOTLID HINGES L/R	2	bent	159.20	159.20	X SVC
REAR BOOTLID INNER RUBBER SIDE GUIDE STOPPER L/R	4	deformed	68.00	68.00	X SVC
REAR BOOTLID INNER TRIM COVER	1	deformed	181.85	181.85	X SVC
REAR BOOTLID LOCK STRIKER	1	bent	85.00	85.00	40

REAR BOOTLID MECHANISM LOCK	1	bent	379.20	379.20	349
REAR BOOTLID NUMBER PLATE LAMP L/R	2	fractured	46.00	46.00	X SVC
REAR BOOTLID OUTER CHROME HANDLE	1	fractured	253.70	253.70	X SVC
REAR BOOTLID OUTER LOCK SWITCH	1	shorted	65.20	65.20	X SVC
RR BOOTLID REFLECTOR INNER BLACK RUBBER GASKET L/R	2	necessary	86.20	86.20	X SVC
REAR BOOTLID REFLECTOR L/R	2	fractured	748.90	748.90	X SVC
REAR BOOTLID WEATHERSTRIP	1	deformed	271.45	271.45	175.8
REAR BUMPER	1	squashed	581.90	581.90	482
REAR BUMPER REFLECTOR L/R	2	fractured	282.90	282.90	X SVC
REAR BUMPER REINFORCEMENT	1	bent	398.70	398.70	✓
REAR BUMPER REINFORCEMENT BRACKET L/R	2	bent	330.00	330.00	X SVC
REAR BUMPER REVERSE SENSOR HOLDER	2	necessary	86.00	86.00	X SVC
REAR BUMPER REVERSE SENSOR L/R	2	shorted	792.00	792.00	319.5
REAR BUMPER REVERSE SENSOR WIRE HARNESS	1	reuse	715.20	0.00	SVC
REAR BUMPER SIDE RETAINER L/R	2	necessary	214.40	214.40	118
REAR END PANEL	1	buckled	781.90	781.90	670
REAR END PANEL ANTENNA SENSOR	1	shorted	175.00	175.00	✓
REAR END PANEL INNER TOP GARNISH	1	fractured	391.60	391.60	280
REAR EXHAUST GASKET	1	necessary	63.20	63.20	x svc
REAR EXHAUST RUBBER MOUNTING	2	distorted	127.80	127.80	x svc
REAR EXHAUST SILENCER BOX	1	bent	1,255.00	1,255.00	x repair
REAR FENDER INNER TRIM L/R	2	deformed	676.00	676.00	x svc
REAR FLOOR PANEL	1	buckled	974.45	974.45	845
REAR FLOOR PANEL TOP BOARD COVER	1	deformed	485.10	485.10	x svc
REAR FLOOR SIDE PANEL LH	1	repair	348.90	0.00	SVC
REAR LH BODY SUB FRAME	1	repair	384.30	0.00	SVC
REAR LH DOOR	1	repair	958.70	0.00	SVC
REAR LH DOOR BLACK FRAME STICKER	1	reuse	142.50	0.00	SVC
REAR LH DOOR INNER SEAL COVER	1	reuse	78.00	0.00	SVC
REAR LH DOOR INNER TRIM BOARD	1	reuse	763.20	0.00	SVC
REAR LH DOOR MECHANISM LOCK	1	bent	431.60	431.60	x svc
REAR LH DOOR WEATHERSTRIP	1	deformed	168.40	168.40	x svc
REAR LH FENDER	1	repair	987.40	0.00	SVC
REAR LH FENDER AIR VENT	1	reuse	117.33	0.00	SVC
REAR LH FENDER INNER SHEILD	1	reuse	231.35	0.00	SVC
REAR LH FENDER PETROL LID RIVET	2	reuse	25.80	0.00	SVC
REAR SPARE TYRE SCREW LOCK	1	bent	79.60	79.60	x svc
REAR TAILLAMP INNER BLACK RUBBER GASKET L/R	2	necessary	51.00	51.00	x svc
REAR TAILLAMP INNER PANEL L/R	2	repair	748.90	0.00	SVC
REAR TAILLAMP L/R	2	fractured	783.80	783.80	759.6
REAR TAILLAMP LOWER BRACKET L/R	2	necessary	177.40	177.40	x svc
REAR WINDSCREEN SEAL	1	reuse	138.00	0.00	SVC
4572.6	Subtotal before discount		S\$ 39,749.68	S\$ 33,200.80	18519.85
Percentage discount 25% and 25%			S\$ 9,937.42	S\$ 8,300.20	
		Sub-total 1	S\$ 29,812.26	S\$ 24,900.60	13889.88

FRONT BONNET INSULATOR CLIPS - SET	1	necessary	60.00	60.00	20
FRONT BUMPER CLIPS - SET	1	necessary	80.00	80.00	40
FRONT BUMPER NUMBER PLATE	1	bent	25.00	25.00	10
FRONT BUMPER NUMBER PLATE HOLDER	1	bent	50.00	50.00	30
FRONT BUMPER UNDER COVER CLIPS - SET	1	necessary	40.00	40.00	X SVC
FRONT GRILLE TOP GARNISH CLIPS - SET	1	necessary	40.00	40.00	20
FRONT LH FENDER INNER SHIELD CLIPS - SET	1	necessary	50.00	50.00	X SVC
RADIATOR COOLANT	1	necessary	60.00	60.00	40
REAR BOOTLID CAMERA	1	shorted	800.00	800.00	X SVC
REAR BOOTLID INNER TRIM COVER CLIPS - SET	1	necessary	50.00	50.00	20
REAR BOOTLID NUMBER PLATE	1	bent	25.00	25.00	X SVC
REAR BOOTLID NUMBER PLATE HOLDER	1	bent	50.00	50.00	X SVC
REAR BOOTLID OUTER CHROME HANDLE CLIPS - SET	1	necessary	40.00	40.00	X SVC
REAR BUMPER CLIPS - SET	1	necessary	80.00	80.00	40
REAR END PANEL INNER TOP GARNISH CLIPS - SET	1	necessary	30.00	30.00	20
REAR FENDER INNER SHIELD CLIPS L/R - SET	2	necessary	60.00	60.00	X SVC
REAR FENDER INNER TRIM CLIPS L/R - SET	2	necessary	100.00	100.00	X SVC
REAR FLOOR PANEL INSULATOR MAT	1	necessary	300.00	300.00	150
REAR LH DOOR INNER TRIM BOARD CLIPS - SET	1	necessary	50.00	50.00	X SVC
REAR TAILLAMP CLIPS L/R - SET	2	necessary	40.00	40.00	20
REAR WINDSCREEN SEALANT	1	reuse	80.00	0.00	SVC
Subtotal before discount			S\$ 2,110.00	S\$ 2,030.00	410
Sub-total 2			S\$ 2,110.00	S\$ 2,030.00	
Parts-total			S\$ 31,922.26	S\$ 26,930.60	

LABOUR

To remove, change air con parts, vacuums, refill air con gas.	150.00	120.00	✓
To remove, reinstall electrical wiring harness, check lighting and rewire for parking sensor.	100.00	80.00	60
To remove, reinstall windscreen (REAR)	150.00	0.00	
To remove, reinstall petrol tank. (to FR)	80.00	0.00	
To remove, reinstall roof top trim upholstery, cushion seat, trim garnish, trim liner carpet. (to FR)	140.00	60.00	✓
To re-spray painting on the rear bootlid, rear end panel, rear fender (L/R), spare tyre panel, rear bumper, rear doors (L/R), and roof top panel.	2,100.00	1,540.00	1000
To re-spray painting on the front bonnet, front support panel, front fender (L/R) and front bumper.	1,300.00	1,100.00	600
To remove and change exhaust silencer box with pipe, re-align where necessary consistent to the accident.	120.00	100.00	60
To provide labour, workmanship to change the above damaged bodyparts, repair, re-construct and re-align body structure, body alignments and damaged consistent to the accident.	3,800.00	3,000.00	1800
To mount vehicle on to Car 'O' Liner.	300.00	300.00	X
To apply anti-rust chemical on repaired and replaced panel.	150.00	150.00	80
To transfer rear bootlid mechanism lock outer handle reflector and other attachment parts.	50.00	50.00	40
Labour Total			S\$ 8,440.00 S\$ 6,500.00 3820
Parts & Labour Total			S\$ 40,362.26 S\$ 33,430.60

Results of inspection of the accident vehicle are as shown above.

We have taken into consideration the age and condition of the vehicle in our recommendation.

**Hence, the recommended cost of repairs based on Lump Sum repairs is : S\$ 28,400.00
and the recommended number of working days for the repairs is within 13 day(s).**


B J Loi (I Eng., MIMI, AIRTE)
Automotive Appraiser

18119.88
15%: 15400

12 days