

Our reference: 19-11-8647

Date: 15/11/2019

INVOICE NO. 8647

Majesty Car Leasing
c/o Majesty Car Leasing
39 Woodlands Close
#01-36 Mega@ Woodlands
Singapore 737856

Registration No. **SKE6317R**

We enclose our fee note for your kind attention, which remains payable irrespective of the outcome of this case.

S/No.	Description of Services Provided	Qty	Amount
1	Being vehicle damage assessment report, inspection, photographs, transport and miscellaneous.	1	\$ 857.00
Total amount			<u>\$ 857.00</u>

Please kindly cross all cheques made payable to " Impact Analysis Consultant".

We thank you in anticipation for your prompt payment.



L. L. Tan (Ms)
Principal Consultant

Our reference: 19-11-8647

Date: 15/11/2019

c/o Majesty Car Leasing
39 Woodlands Close
#01-36 Mega@ Woodlands
Singapore 737856

Dear Sirs

**RE: Road Traffic Accident on 3/11/2019
Majesty Car Leasing**

In accordance with your instructions received in this office on **5/11/2019**, we made arrangements to examine the vehicle on **5/11/2019** at above-mentioned address. The following data was recorded:

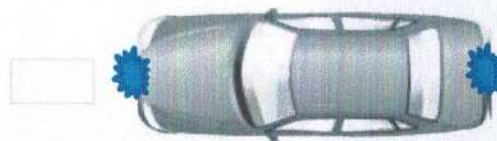
Vehicle details

Make	Honda	Registration	SKE6317R
Model	Fit	Chassis	GE6120199
Colour	Black	Gearbox	Auto
Odometer	159138km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	185/65R14	85% Yokohama
Front right	185/65R14	85% Yokohama
Rear left	185/65R14	85% Yokohama
Rear right	185/65R14	85% Yokohama

Impact Direction & Area of Damage:



Status	REPAIRABLE
Magnitude	Medium
Legal status	Unroadworthy

Following our examination of the accident damage, we have calculated repair times and method, which are detailed on page 2 & 3. We would recommend a sum of **\$15,000.00** and **13** working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

Subsidiaries of Impact Analysis Consultant:

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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As Inspected	Repairer's Estimate	Our Adjustment
Nett Items:				
Bonnet ✓ DD	1	buckled	912.50	912.50 433 ✓
Bonnet lock ✓ BT	1	bent	115.60	115.60 ✓
Bonnet hinges @\$68.90 ✓ BT	2	bent	137.80	137.80 ✓
Bonnet weather strip ✓ TN	1	ripped	28.00	28.00 ✓
Front bumper ✓ DD	1	crushed	845.60	845.60 458 ✓
Front bumper lower grille ✓ DEF	1	deformed	215.80	215.80 ✓
Front bumper side retainer @\$86.50 ✓ BR	2	necessary	173.00	173.00 ✓
Front bumper reinforcement ✓ DD	1	bent	385.20	385.20 213 ✓
Front bumper tow cover ✓ MIS	1	damaged	58.60	58.60 ✓
Front grille ✓ BR	1	broken	325.10	325.10 185 ✓
Front grille logo ✓ NEC	1	necessary	38.10	38.10 ✓
Head lamp @\$835.90 ✓ BR 1pc-700	2	cracked	1671.80	1671.80 1400 ✓
Head lamp lower bracket @\$86.50 ✓ BR	2	bent	173.00	173.00 ✓
Front fender @\$364.20 ✓ DD	1	rh bent lhr repair	728.40	364.20 ✓
Front support panel ✓ DD	1	bent	925.60	925.60 389 ✓
Air con condenser ✓ DD	1	bent	1350.00	1350.00 762 ✓
Radiator ✓ DD	1	bent	1421.00	1421.00 1150 ✓
Radiator fan motor ✗ SVC	1	serviceable	315.60	0.00 ✗
Radiator fan blade ✓ CUT	1	damaged	98.50	98.50 ✓
Radiator fan cowling ✓ BR	1	broken	145.30	145.30 ✓
Radiator top mounting @\$84.60 ✓ MIS 1pc- 20	2	distorted	169.20	169.20 40 ✓
Air con condenser fan blade ✓ CUT	1	broken	98.50	98.50 ✓
Air condender fan cowling ✓ BR	1	broken	155.40	155.40 ✓
Radiator spare tank ✓ CRU	1	dented	145.00	145.00 ✓
Wipet tank ✓ CRU	1	dented	102.40	102.40 ✓
Front fender inner cowling @\$97.00 ✗ SVC	2	torn	194.00	194.00 ✗

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Front quarter glass garnish rh ✓ BR	1	sheared-off	77.00	77.00 ✓
Front door rh ✗ R	1	repair.respray	954.00	0.00 ✗
Front wheel house panel rh ✗ R	1	repair.	412.00	0.00 ✗
Tail gate ✓ DD	1	crushed	1145.20	1145.20 636 ✓
Tail gate windscreen moulding @\$86.10 ✓ NEC	3	necessary	258.30	258.30 ✓
Tail gate shock absorber @\$225.10 ✗ SVC	2	reset	450.20	0.00 ✗
Tail gate top lock ✓ BT	1	bent.jammed	335.80	335.80 189 ✓
Tail gate inner trim ✓ BR	1	deformed	453.60	453.60 180 ✓
Tail gate logo garnish ✗ SVC	1	intact	231.60	0.00 ✗
Tail gate logo ✓ NEC	1	necessary	38.50	38.50 ✓
Tail gate emblem 'FIT' ✓ NEC	1	necessary	85.40	85.40 ✓
Tail gate weather strip ✓ CRU	1	ripped	196.40	196.40 120 ✓
Rear bumper ✓ DD	1	crushed	845.60	845.60 494 ✓
Rear bumper side retainer @\$86.90 ✓ BR	2	necessary	173.80	173.80 ✓
Rear bumper tow cover ✓ MIS	1	damaged	62.50	62.50 ✓
Tail lamp @\$385.20 ✓ BR 1pc - 278	2	cracked	770.40	770.40 556 ✓
Tail lamp panel @\$218.60 ✓ BT	2	repair	437.20	0.00 ✗
Rear end panel ✓ DD	1	crushd	854.60	854.60 465 ✓
Rear end panel top garnish ✓ CRU	1	deformed	182.90	182.90 ✓
Rear floor panel ✗ Repair	1	repair	1180.60	0.00 ✗
Rear floor panel tool sponge ✗ SVC	1	fractured	485.20	485.20 ✗
Rear floor panel top board ✗ SVC	1	fractured	365.40	365.40 ✗
Rear floor side panel @\$201.40 ✗ Repair	2	repair	402.80	0.00 ✗
Rear fender @\$1005.70 ✗ Repair	2	repair.respray	2011.40	0.00 ✗
Rear fender cowling @\$85.60 ✗ SVC	2	intact	171.20	0.00 ✗
Rear fender inner trim @\$425.40 ✗ SVC	2	refix	850.80	0.00 ✗
Rear exhaust pipe ✓ BT	1	bent	635.70	635.70 557 ✓
Rear silencer mounting ✓ TN	1-2-	snapped	65.60	65.60 25 ✓
Sub- Total costs			25062.70	17281.10
Percentage discount : 20%			5012.54	3456.22
Sub-Total costs for parts			20050.16	13824.88

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Special Nett Items:

Front number plate ✓ BR	1	missing	50.00	50.00	35 ✓
Front bumper clips @\$5.00 ✓ NEC	8	necessary	40.00	40.00	30 ✓
Front grille clips @\$5.00 ✓ NEC	4	necessary	20.00	20.00	✓
Tail gate windscreen sealant ✓ NEC	1	necessary	50.00	50.00	✓
Rear number plate ✗ SVC	1	serviceable	50.00	0.00	✗
Rear bumper clips @\$5.00 ✓ NEC	8	necessary	40.00	40.00	30 ✓
Tail lamp clips @\$5.00 ✗ SVC	2	necessary	10.00	10.00	✗
Rear reverse sensor ✓ BR	1	malfunction	280.00	250.00	200 ✓
Battery	1	cut	220.00	220.00	✓
Sub-Total costs for parts			760.00	680.00	

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			20810.16	14504.88

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Section B: Labour Cost Calculation

	Hourly rate	Manhr. Req.	Total	
To dismantle, replace, cut, weld, knock out dents to straighten accident parts as-mentioned on the 'Parts Repair' column inclusive of replacement parts.	\$ 45.00	35	\$ 1,575.00	1500 ✓
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,300.00	✓
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00	50
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	30
Remove and replace rear exhaust system	\$ 45.00	1.7	\$ 76.50	50
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	1.8	\$ 81.00	80
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	2.5	\$ 112.50	80
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3	\$ 135.00	120
Wiring and bulb checking	\$ 45.00	1	\$ 45.00	30
Total labour cost			\$ 3,501.50	

Manhour rate and the number of manhours required for each repairing task are formulated based on individual workshop's operating cost and in-house@ IA Research Guidelines respectively.

P - 11,179.60
-20%
8943.68

N - 585
L - 3240
12,768.68

L/S - 10,214.94
10,200.00

12 repair days

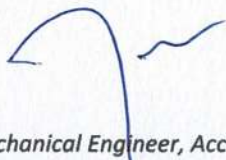
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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$14,504.88	
Further discount	20%	\$2,900.98	
Recommended cost of parts		\$11,603.90	(1)
Labour Cost Calculation (See section B)		\$3,501.50	(2)
Total Repair Cost (Round off to hundred)		\$15,000.00	(1) + (2)

We would recommend a sum of **\$15,000.00** and **13** working days for repair.
No further items will be approved without our expressed written agreement. Any significant additional items will be subject to a supplementary report.



Mechanical Engineer, Accident Expert Witness, Licensed Appraiser (Automobile)
B.Eng. (Hons, NUS)
Diploma.Mechanical Engineering
NTC-2 Automovite Technology
Sr.MIES, Institution of Engineers, Singapore (#20100091)
MATAI, Maryland Association of Traffic Accident Investigators
IAARS, International Association of Accident Reconstruction Specialists
PMC of Singapore Business Advisors & Consultants Council
ACTA certified Trainer, Singapore
SPRING- Recognised Certification for Management Consultants

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