



# Impact Analysis Consultant

Practicing Management Consultant (PMC) of SBACC  
Approved Training Organisation (ATO) of Workforce Singapore

No.25 Kaki Bukit Road 4  
#06-46 Synergy @KB  
Singapore 417800  
Hotline: 6385 1171

Our reference: 19-10-8605

Date: 29/10/2019

**INVOICE NO. 8605**

**Goh Teck Meng**  
c/o JP Conceptz Pte Ltd  
160 Sin Ming Drive  
#07-11 Sin Ming Auto City  
Singapore 575722

Registration No. **SLF9568X**

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	\$ 623.00
Total amount			<u>\$ 623.00</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

*Subsidiaries of Impact Analysis Consultant:*

• Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd  
• IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd  
[www.iaconsultingse.com](http://www.iaconsultingse.com)



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c/o JP Conceptz Pte Ltd  
160 Sin Ming Drive  
#07-11 Sin Ming Auto City  
Singapore 575722

Dear Sirs

RE: Road Traffic Accident on 14/10/2019  
Goh Teck Meng

In accordance with your instructions received in this office on 16/10/2019, we made arrangements to examine the vehicle on 16/10/2019 at above-mentioned address. The following data was recorded:

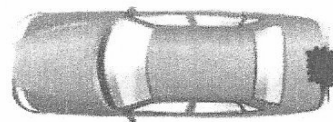
## Vehicle details

Make	Toyota	Registration	SLF9568X
Model	Vellfire	Chassis	GGH300010063
Colour	Black	Gearbox	Auto
Odometer	50774km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

## Tyre Depths

Front left	225/60R17	85% Continental
Front right	225/60R17	85% Continental
Rear left	225/60R17	85% Continental
Rear right	225/60R17	85% Continental

## 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 \$6,100.00 and 6 working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

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### Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
<b>Nett Items:</b>				
Tailgate	1	bent	2452.50	2452.50
Tailgate logo	1	necessary	101.34	101.34
Tailgate emblem "VellFire"	1	necessary	67.95	67.95
Tailgate outer chrome moulding	1	intact	1077.30	0.00
Tailgate reflector @\$693.30	2	intact	1386.60	0.00
Tailgate lock	1	bent-in	652.10	652.10
Tailgate weatherstrip	1	ripped	344.70	344.70
Tailgate lock sensor	1	bent-in	976.10	976.10
Tailgate release switch	1	damaged	202.75	202.75
Tailgate windscreen seal	1	necessary	133.40	133.40
Rear bumper	1	deformed	1985.50	1985.50
Rear bumper reflector @\$102.30	2	serviceable	204.60	0.00
Rear end panel	1	repair	985.20	0.00
Rear end panel top garnish	1	deformed	189.98	189.98
<b>Sub- Total costs</b>			10760.02	7106.32
Percentage discount : 25%			2690.01	1776.58
<b>Sub-Total costs for parts</b>			<b>8070.02</b>	<b>5329.74</b>

#### Special Nett Items:

Rear bumper clips	1 set	necessary	55.00	55.00
Tail gate windscreen sealant	1	necessary	50.00	50.00
Reverse sensor	1	malfunction	280.00	280.00
<b>Sub-Total costs for parts</b>			<b>385.00</b>	<b>385.00</b>

#### Parts Repair

*	*	*	0.00	0.00
<b>Sub- Total costs</b>			0.00	0.00
<b>Total costs for parts</b>			<b>8455.02</b>	<b>5714.74</b>

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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	14	\$ 630.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 600.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3	\$ 135.00
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	1.8	\$ 81.00
Wiring and bulb checking	\$ 45.00	0.5	\$ 22.50
<b>Total labour cost</b>			<b>\$ 1,595.00</b>

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.


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### Section C: Summary Table of Total Repair Cost

Description		Cost	
<b>Damaged Parts Assessment (See section A)</b>		<b>\$5,714.74</b>	
Further discount		\$1,142.95	
	<b>20%</b>		
Recommended cost of parts		<b>\$4,571.79</b>	(1)
<b>Labour Cost Calculation (See section B)</b>		<b>\$1,595.00</b>	(2)
<b>Total Repair Cost (Round off to hundred)</b>		<b>\$6,100.00</b>	(1) + (2)

We would recommend a sum of \$6,100.00 and 6 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

