

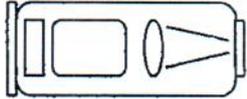
CARLINK CONSULTANCY

60 Hillside Drive
Singapore 549009

Mobile : 97943298
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ACCIDENT VEHICLE INSPECTION / ASSESSMENT REPORT

Our Ref: CL 12169 YP 5047 C

1 REFERENCE			
Date of request	: 22nd February 2022		
Requested by	: M/S Gim Tian Logistics Pte Ltd C/o M/S Kurup & Boo Advocate & Solicitor 368 Lorong Chuan Singapore 556786		
Type of claim	: Third party		
Place of Survey	: Sin Ming Road Carpark Singapore 571022.		
Accident date	: 21st February 2022		
Date of survey	: 22nd February 2022.(Sin Ming Road Carpark, Singapore 571022)		
Date of after repair	: 1st November 2022 at M/S Eng Soon Huat Engineering Works at Eunos Avenue 7		
2 DETAILS OF VEHICLE			
Registration No.	: YP 5047 C		
Make & Model	: Isuzu FVR345UQDC		
Year of registration	: 28th November 2016		
Engine No.	: 6HK1688222		
Chassis No.	: JALFVR347G7001257		
Transmission	: Manual		
Speedometer reading	: 14338 Km		
Colour	: White		
3 STATIC CHECK			
Steering	: In order	Paintwork	: Good
Footbrake	: In order	Modification	: Nil
Handbrake	: In order	General condition	: Good
4 TYRE CONDITION			
	<u>Nearside/Make</u>	<u>Offside/Make</u>	<u>Size</u>
Front tyre	: 8mm/Falken	8mm/Falken	: 275/80 R22.5
Rear tyre	: 7mm/Bridgestone	7mm Bridgestone	: 275/80 R22.5
5 POINT OF IMPACT			
See Annex(es) and Motor Accident Reports			
The point of impact was onto the truck mounted attenuator ("TMA") that was mounted onto the rear of the truck no. YP 5047 C. The TMA was badly damaged due to the force of the impact			
6 DETAILS OF THE TRUCK MOUNTED ATTENUATOR ("TMA")			
The damaged TMA was mounted onto the rear side of the truck registration no. YP 5047 C			
The damaged TMA was a "Scorpion" brand Scorpion II 10,000 Model TMA.			
The Land Transport Authority ("the LTA") has approved the use of the TMA model 10,000 for use in Singapore as a piece of road safety equipment since the year 2001.			
The LTA has issued a Code of Practice - Traffic Control at Work Zone. This code includes a section on the proper use and maintenance of a truck mounted attenuator.			
The "Scorpion" brand Scorpion II Model 10,000 TMA ("TMA Model 10,000") has been manufactured by a company named TrafFix Devices Inc. of California, USA.			
TrafFix Devices Inc. has appointed TMA Systems Pte Ltd as the approved distributor and named Eng Soon Huat Engineering Works as the approved installer of the TMA Model 10,000.			
TMA Systems Pte Ltd has appointed Inopave Group Pte Ltd to be the sole authorised dealer of the TMA Model 10,000 in Singapore.			

Annex A : Assesment / Adjustment on Spare Parts

YP 5047 C

Item	Vehicle Parts Description	Condition	Qty	W/shop Est. (\$)	Disc (%)	Adjusted Cost (\$)
S/Nett Items						
1	Supply & install Scorpion II Model 10,000 Truck Mounted Attenuator S/N: M06067 for Truck YP 5047 C, (Damaged TMA, S/N: 05274)	Buckled/cut	1	\$77,500.00		\$77,500.00 ✓
	Specification Test Level 3 with 90 degrees tilt for transport modes					
	Conforming and passed AASHTO's MASH, Test Level 3-50, 3-51, 3-52 and 3-53					
2	New Mounting Bracket	Distorted	1	\$3,000.00		\$3,000.00 ✓
3	ECE R65 compliance LED warning Beacon Light with bracket	Cracked/faulty	3	\$1,200.00		\$1,200.00 ✓
4	Heavy Duty 1080P AHD Rear Camera	Distorted/faulty	1	\$180.00		\$180.00 ✓
Total for Spare Parts :				\$81,880.00		\$81,880.00

Annex B : Adjustment on Labour and Spray Painting

YP 5047 C

Item	Job Description	Workshop Est. (\$)	Adjusted Cost (\$)
1	Full labour cost, dismantling, removing , installation, rewiring, repairing, re-alignment, repairing of directional arrow board & etc	\$5,000.00	\$5,000.00
TOTAL FOR LABOUR & SPRAY PAINTING :		\$5,000.00	\$5,000.00

2500

Summary

	Workshop Est. (\$)	Adjusted Cost (\$)
TOTAL FOR SPARE PARTS :	\$81,880.00	\$81,880.00
TOTAL FOR LABOUR & SPRAY PAINTING :	\$5,000.00	\$5,000.00
TOTAL REPAIR COSTS :	\$86,880.00	\$86,880.00

81880
 2500

 \$ 84380
 10 days

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YP 5047 C

Annex C: Recommendation

We have inspected thoroughly the actual damages found on the vehicle/TMA and our assessment is appended in the Annex(es) attached. The condition and age of the vehicle/TMA was considered before we reached our recommendation as to whether the parts need replacement or repair.

I have reviewed the items and the sums stated in this tax invoice. I am of the professional view that the sum of **S\$86,880.00** stated by M/S Inopave Group Pte Ltd is fair and reasonable.

The repairer took between 21 February 2022 and 1st November 2022 to complete the full replacement of the damaged TMA Model 10,000 with a new one. In our opinion, this period of Fourteen (14) working days is fair and reasonable.

Yours faithfully,
CARLINK CONSULTANCY


PATRICK NG
Automotive Engineer Assessor
MIMI, MIRTE, LCGI, I ENG, LAE, CGLI FTC.



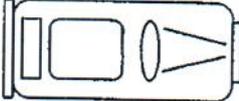
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1 REFERENCE			
Date of request	:	22nd February 2022	
Requested by	:	M/S Gim Tian Logistics Pte Ltd C/o Kurup & Boo Advocate & Solicitor C/o 368 Lorong Chuan Singapore 556786	
Type of claim	:	Third party	
Place of Survey	:	Tan Hup Seng Auto Repair Workshop 160 Sin Ming Drive #01-03 Sin Ming Auto City Singapore 57522	
Accident date	:	21 February 2022	
Date of survey	:	22nd February 2022	
Date of dismantle parts	:	21st September 2022	
Date of after repair	:	3rd October 2022	
	:		
	:		
2 DETAILS OF VEHICLE			
Registration No.	:	YP 5047 C	
Make & Model	:	Isuzu FVR34SUQDC	
Year of registration	:	28th November 2016	
Engine No.	:	6HK1688222	
Chassis No.	:	JALFVR347G7001257	
Transmission	:	Manual	
Speedometer reading	:	144338 km	
Colour	:	Yellow	
3 STATIC CHECK			
Steering	:	In order	Paintwork : Good
Footbrake	:	In order	Modification : Nil
Handbrake	:	In order	General condition : Good
4 TYRE CONDITION			
		<u>Nearside/Make</u>	<u>Offside/Make</u> <u>Size</u>
Front axle	:	8mm/Falken	8mm/Falken : 275/80 R22.5
Rear axle	:	7mm/Bridgestone	7mm/Bridgestone : 275/80 R22.5
5 POINT OF IMPACT			
See Annex(es) and Motor Accident Reports			
6 REMARK			
This inspection was conducted entirely on a "WITHOUT PREJUDIC" basis and we have not authorised any repair (The pre-accident market value of a similar make/model/year of the vehicle would be in the region of S\$90,000)			

Annex A : Assesement / Adjustment on Spare Parts

YP 5047 C

Item	Vehicle Parts Description	Condition	Qty	W/shop Est. (\$)	Disc (%)	Adjusted Cost (\$)	
1	Front cabin c/w door & panel & interior	Buckled/cracked	1	\$38,000.00		\$38,000.00	24000
2	Cabin mounting - Torsion bar assy	Bent/cracked	1	\$650.00		\$650.00	
3	Front bumper	Buckled/cut	1	\$863.00		\$863.00	
4	RH head lamp	Cracked	1	\$421.00		\$421.00	
5	RH head lamp bracket	Bent	1	\$292.00		\$292.00	
6	RH head lamp grille	Torn/cracked	1	\$95.00		\$95.00	
7	RH front bumper bracket	Bent	1	\$325.00		\$325.00	
8	Brake control distributor valve	Distorted/leak/faulty	1	\$250.00		\$250.00	local repair
9	Steering box	Distorted/leak/faulty	1	\$5,075.00		\$5,075.00	X 1/2 SN \$1000
10	Steering wheel link coupling rod	Bent/torn	1	\$280.00		\$280.00	X 1/2
11	RH cabin rear mudguard	Bent/cut	1	\$132.00		\$132.00	
12	Air cleaner assy	Distorted/cracked	1	\$450.00		\$450.00	
13	RH cabin rear mudguard	Repeat of no: 11	1	\$132.00		\$0.00	X repeated.
14	Cabin rear lock bracket (Lock stay)	Bent	1	\$350.00		\$350.00	
15	RH front bumper lamp	Cracked	1	\$201.00		\$201.00	
16	RH rear mudguard retainer	Bent	1	\$70.00		\$70.00	
17	RH step plate	Distorted/cracked	1	\$67.00		\$67.00	
				\$47,653.00		\$47,521.00	28166
		Less 10%		\$4,765.30		\$4,752.10	25349.40
				\$42,887.70		\$42,768.90	SN 1000
S/Nett Items							
1	Logo & sticker	Necessary	1	\$450.00		\$450.00	300
Total for Spare Parts :				\$43,337.70		\$43,218.90	

Annex B : Adjustment on Labour and Spray Painting

YP 5047 C

Item	Job Description	Workshop Est. (\$)	Adjusted Cost (\$)
1	Wooden floor board repair (2 pcs)	\$160.00	\$120.00 Xnn
2	Labour charges for panel beat of cabin & replace of accident parts	\$1,500.00	\$1,200.00 ✓
3	Lifting of cabin charges	\$550.00	\$500.00 450
4	Labour charges for replace of steering box & alignment	\$450.00	\$350.00 300 200
5	Straighten of chassis frame/cabin mounting	\$1,800.00	\$1,500.00 900
6	Respray paintwork of cabin & chassis	\$1,800.00	\$1,600.00 1400
7	Air con system service & gas	\$180.00	\$150.00 ✓
8	Undercarriage respray paintworks (under coating)	\$250.00	\$200.00 Xnn
9	Wiring of cabin & lighting	\$280.00	\$180.00 100
10	Towing fee	\$450.00	\$400.00 300
TOTAL FOR LABOUR & SPRAY PAINTING :		\$7,420.00	\$6,200.00 4700

Summary

	Workshop Est. (\$)	Adjusted Cost (\$)
TOTAL FOR SPARE PARTS :	\$43,337.70	\$43,218.90
TOTAL FOR LABOUR & SPRAY PAINTING :	\$7,420.00	\$6,200.00
TOTAL REPAIR COSTS :	\$50,757.70	\$49,418.90
LUMP SUM REPAIR:		\$39,500.00

25349.40
1000
300
4700

31349.40

US\$ 25,050

16 days

Annex B-1

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YP 5047 C

Annex C: Recommendation

We have inspected thoroughly the actual damages found on the vehicle and our assessment is appended in the Annex(es) attached. The condition and age of the vehicle was considered before we reached our recommendation as to whether the parts need replacement or repair.

M/S Tan Hup Seng Auto Repair Workshop estimated repair cost is **S\$50,757.70** and we have adjusted it to **S\$49,418.90** on a part by part basis. However, taking into consideration the age of the vehicle and the availability of used/recondition components. We, therefore recommend a contract lump sum repair cost.

We have revised and adjusted the repairs on a contract lump sum of **S\$39,500.00**, and in my view is fair and reasonable.

The repairer took between 22 February 2022 and 3 Oct 2022 to complete the full repairs; including the replacement of the front cabin and affected parts with a new ones. This vehicle no. YP 5047 C imported by the local Isuzu vehicle agent, Triangle Auto Pte Ltd. This vehicle was first imported new by a local parallel importer. For this reason, the replacement of front cabin and most other new spare parts were not available for the repairs as at 22 February 2022. Thus, the repairer took between 22 February 2022 and 3 October 2022 to complete the full repairs.

Had all the spare parts for the repairs been made available as at 22 February 2022, the usual estimate period of repairs to complete the repairs would not have exceeded eighteen (18) working days.

Yours faithfully,
CARLINK CONSULTANCY


PATRICK NG
Automotive Engineer Assessor
MIMI, MIRTE, LCGI, I ENG, LAE, CGLI FTC,
AAE (UK).

