

## Competitor Instructions – Automobile Technology

Competitor Name	Competitor No	Task
.....	.....	<b>C</b>

### Competitor Instructions

<b>Task C</b>	<b>Car Body Electrical System</b>
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<b>Familiarization Time</b>	5 minutes
<b>Task Duration</b>	55 minutes
<b>Total Time</b>	<b>60 minutes</b>

<b>Marking Summary</b>		
<b>Section</b>		<b>Possible Mark</b>
1.	Preparation	100
2.	Head lights system	250
3.	Hazard system	250
4.	Brake control lamp	150
5.	Dome lamp & Courtesy switch	150
6.	Oil pressure indicator	100
<b>Task Total</b>		<b>1000</b>

**You are required to**

- Observe occupational health & safety standards
- Only ask necessary questions
- Not speak to the public while competing
- Comply with Experts instructions
- Ensure Competitor Number on all forms
- Use appropriate tools and procedures
- Complete all instructions on the next page

Remark: Vehicle/Model : Toyota Kijang KF83 SUPER 7K Th. 2000

Competitor Name	Competitor No	Task
.....	.....	<b>C</b>

1.	Check operation of head light Diagnose if faulty Repair if necessary Fill in report form
2.	Check operating of hazard system of the car Diagnose if found faulty For repairs refer to the expert Fill in the report form
3.	Check operating of brake control lamp of the car Diagnose if found faulty For repairs refer to the expert Fill in the report form
4.	Check operation of Dome lamp & Courtesy switch Diagnose if faulty For repairs refer to the expert Fill in report form
5.	The oil pressure indicator lamp always on, while engine running Diagnose if faulty For repairs refer to the expert Fill in report form

## Competitor Report Sheet – Automobile Technology

Competitor Name	Competitor No	Task
.....	.....	<b>C</b>

### Report Sheet

1.	Did the head lights operate normally? Fault(s) found:	[ ] yes [ ] no
2.	Did the hazard system operate normally? Fault(s) found:	[ ] yes [ ] no
3.	Did the Dome lamp & Courtesy switch operate normally? Fault(s) found:	[ ] yes [ ] no
4.	Did the brake control lamp operate? Fault(s) found:	[ ] yes [ ] no
5.	Did the oil pressure switch is normal ? Fault(s) found:	[ ] yes [ ] no

### Form 5 -Automobile Technology

Competitor Name	Competitor No	Task	Marking Scale
		C	Car Body Electrical system

#### Marking Summary

Section		Possible Mark
1.	Preparation	100
2.	Head lights	250
3.	Hazard system	250
4.	Brake control lamp	150
5.	Dome lamp & Courtesy switch	150
6.	Oil pressure indicator lamp	100
<b>Task Total</b>		<b>1000</b>

#### Time Keeping

Familiarization		Competition		Breaks			
Start		Start		Start			
Stop		Stop		Stop			

#### Experts Signatures

1	2	3	4

Competitor Name	Competitor No	Task	Marking Scale
		C	Car Body Electrical Systems

1.	Preparation	Max	Actual	Comments
1.1	Check all equipments	10		
1.2	Check all instructions	10		
1.3	Select the correct test equipment	10		
1.4	Apply logical working procedure	7		
1.5	Connect the exhaust hose	5		
1.6	Proper tools handling	5		
1.7	Test the lead of multi meter	5		
1.8	Check oil level	5		
1.9	Check water level	8		
1.10	Clean up the working area	5		
1.11	Clean up tools and equipment	5		
1.12	Clean up the test models	5		
1.13	Use fender covers	5		
1.14	Use seat covers	5		
1.15	Use steering wheel cover	5		
1.16	Use floor mat	5		
<b>Sub-Total</b>		<b>100</b>		

2.	Head lights	Max	Actual	Comments
2.1	Check function of the lights system	20		
2.2	Use workshop manual	20		
2.3	Check bulbs	30		
2.4	Check positive voltage	20		
2.5	Check ground connection	20		
2.6	Check fuse	20		
2.7	Ask the right parts	30		

2.8	Install the right part correctly	20		
2.9	Check function after replacing parts	30		
2.10	Fit back the parts, problem solved	40		
<b>Sub-Total</b>		<b>200</b>		

<b>3.</b>	<b>Hazard system</b>	<b>Max</b>	<b>Actual</b>	<b>Comments</b>
3.1	Check function of the lights system	5		
3.2	Use workshop manual	5		
3.3	Check bulbs	5		
3.4	Check positive voltage	5		
3.5	Check ground connection	5		
3.6	Check fuse	10		
3.7	Install the right part correctly	10		
3.8	Check function after replacing parts	10		
3.9	Fit back the parts, problem solved	30		
<b>Sub-Total</b>		<b>250</b>		

<b>4.</b>	<b>Brake control lamp</b>	<b>Max</b>	<b>Actual</b>	<b>Comments</b>
4.1	Use workshop manual	20		
4.2	Check brake indicator lamp	20		
4.3	Loosen parking brake & recheck brake indicator lamp	30		
4.4	Check & add brake fluid & recheck brake indicator lamp	30		
4.5	Check brake master reservoir cap circuitry	50		
<b>Sub-Total</b>		<b>150</b>		

<b>5.</b>	<b>Dome lamp &amp; Courtesy switch</b>	<b>Max</b>	<b>Actual</b>	<b>Comments</b>
5.1	Inspect dome lamp ( always on )	15		
5.2	Use workshop manual	20		
5.3	Check function of the dome lamp s/w	15		
5.4	Check function courtesy switch Fr-RH	10		
5.5	Check function courtesy switch Fr-LH	10		

5.6	Check function courtesy switch Rr-RH	10		
5.7	Check function courtesy switch Rr-LH	10		
5.8	Check function courtesy back door	10		
5.9	Ask the right parts	10		
5.10	Install the right part correctly	10		
5.11	Check function after replacing parts	10		
5.12	Fit back the parts, problem solved	20		
<b>Sub-Total</b>		<b>150</b>		

<b>6.</b>	<b>Oil pressure indicator lamp</b>	<b>Max</b>	<b>Actual</b>	<b>Comments</b>
6.1	Inspect oil pressure indicator lamp ( always on )	10		
6.2	Use workshop manual	10		
6.3	Check function of the pressure s/w	20		
6.4	Ask the right parts	20		
6.5	Install the right part correctly	10		
6.6	Check function after replacing parts	20		
6.7	Fit back the parts, problem solved	10		
<b>Sub-Total</b>		<b>100</b>		