


# **KOMI**

## **Dismantling manual**



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Dismantling Manual	
Detail information	
Vehicle name	KOMI
Model Year	2021
Applicable Vehicle Model	JY7300-ZLR
Length/Width/Height (mm)	2998/1522/1555
Wheelbase (mm)	2000
Tire (spare tire) size	165/55 R15
Curb Weight (kg)	935/978
Battery capacity (AH)	124/152
Driving Mode	Reducer
Fuel Type	Battery Electric Vehicles
Front view of 45° angle of real vehicle	
Special instructions for disassembly	Please refer to the operation instructions provided by the manufacturer for the disassembly of power battery.

## 1.Introduction

With the development of automobile industry and the rapid rise of automobile ownership, the recovery, disassembly and treatment of automobile scrapping stage is of great significance for protecting the environment, promoting the comprehensive utilization of resources and realizing the healthy and sustainable development of automobile industry.

In order to ensure the harmless treatment of end-of-life vehicles, help and guide recycling and disassembly enterprises to complete the disassembly operation efficiently and safely, and treat the waste scientifically and environmentally, this vehicle dismantling manual is specially prepared.

This dismantling manual provides recycling and disassembly enterprises with relevant information such as methods and precautions for disassembling and recycling this model, so as to improve the recycling rate of end-of-life vehicles and reduce the possibility of damage to the environment and personnel during disassembly. The pictures and instructions of the model indicated in the manual are only valid for this model.

Please confirm the vehicle model before disassembly!

## 2.Terms and definitions

**End-of-Life vehicles:** vehicles that meet the national mandatory scrapping standards for motor vehicles.

**Dismantling:** carry out harmless treatment for scrapped vehicles and dismantle reusable parts and main components; Decompose and store according to the material type of each article; Procedures and methods for flattening or cutting vehicle body and structural parts.

**Identification:** most auto parts are marked with the material mark of the part on the surface or other positions. During disassembly, metal, plastic, liquid and other parts shall be classified according to different materials and stored in the specified way.

## 3.General description

As for the dismantling site, dismantling equipment, dismantling tools, collection and storage containers, as well as the liquid, solid waste and hazardous waste generated in the dismantling process, the dismantling enterprise and dismantling personnel shall comply with the provisions of relevant standards.

### 3.1 disassembly site and equipment

Disassembly should be carried out in a well ventilated place according to relevant regulations. Fire fighting supplies, first aid and eye cleaning supplies should be prepared in advance. Personal protective equipment is very important in the disassembly process, including protective clothing, protective shoes, goggles, gloves, ear muffs, helmet and mask.

Disassembly shall be carried out in accordance with corresponding procedures and regulations on environment, health and worker protection, including all work, handling, classification, transportation, storage, and treatment methods of other parts, chemicals, filters and other materials.

Dismantling should pay attention to the protection of land resources and surface water resources to avoid pollution. Toxic and harmful substances shall be treated in a well ventilated place according to the requirements of corresponding laws and regulations.

The staff must be familiar with and respect the corresponding safety instructions.

The disassembled hazardous waste shall be transported to the local approved waste disposal site.

According to the requirements of corresponding standards, all working fluids and specified parts and assemblies must be removed first. Relevant parts / assemblies must be easily disassembled and all working fluids shall be extracted as far as possible.

### 3.2 disassembly tools

All kinds of wrenches, screwdrivers, pliers, hammers, scissors, chisels, crowbars, electric saws and other special tools are required for the disassembly of this model.

### 3.3 description of disassembly process

This disassembly manual focuses on the pre-treatment and disassembly of the vehicle during the disassembly process of the vehicle.

According to the provisions of iso22628, the pretreatment part is mainly to disassemble tires, automotive liquids and other parts, some of which contain toxic and harmful substances, and some parts have certain risks in the disassembly process. This paper describes the pretreatment disassembly process in detail, in order to reduce or avoid the damage to the environment or staff in the subsequent disassembly process as much as possible.

## 4.Safety warning icon



Skin irritation



Explosive



Harmful Chemicals



Inflammable



Wear gloves



Wear earplugs



Wear goggles



Wear protective boots



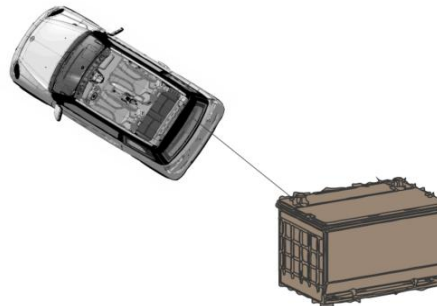
Wear safety helmet

## 5.Disassembling process and description

### 5.1 Pre-treatment

#### 5.1.1 Battery

Part picture



PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:

All

Position:

rear cabin

Main Materials:

Polypropylene, PTFE, Polyethylene, PVC, PVAC, EP, Dilute Sulfuric Acid

Quantity:

1

Weight:

11 Kg

Fastener:

Bolts and nuts;

Number of fasteners:

2

Disassembly tools:

socket wrench;

Disassembly method:

Loosen the fasteners to remove;

Recycling ways:

Deliver to the battery recycling enterprise for treatment;

Precautions for disassembly:

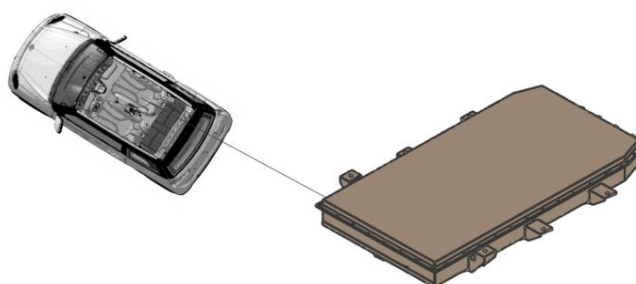
Wear protective equipment (protective glasses, gloves, etc.); Operate in a well ventilated environment;

Safety warning icon:



### 5.1.2 Traction battery

Part picture

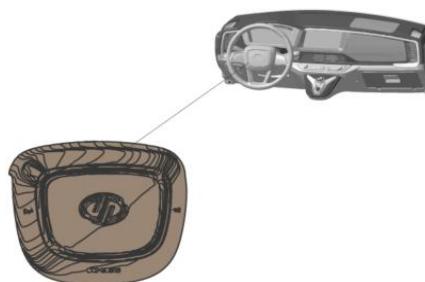


PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:	All
Position:	Under the body
Main Materials:	Aluminum alloy, NCM, graphite, lithium hexafluorophosphate, steel, PVC
Quantity:	1
Weight:	362 Kg
Fastener:	bolt
Number of fasteners:	16
Disassembly tools:	air wrench;
Disassembly method:	After discharge, loosen the fasteners for disassembly (please refer to professional disassembly materials);
Recycling ways:	Deliver to the traction battery recycling enterprise for treatment;
Precautions for disassembly:	Operators shall wear protective equipment (protective glasses, insulating gloves, etc.); Before disassembly, make sure that the whole vehicle is not in the high-voltage state, and unplug the positive or negative pole of the battery;
Safety warning icon:	

### 5.1.3 Driver airbag assembly

Part picture



PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:

All

Position:

Front of steering wheel

Main Materials:

SECC、PA66、ABS+PC、TPO

Quantity:

1

Weight:

1.19Kg

Fastener:

Buckle

Number of fasteners:

Some

Disassembly tools:

Snap driver; screwdriver;

Disassembly method:

After safe detonation, use a screwdriver to loosen the bolts and remove the airbag module;

Recycling ways:

The detonated airbag can be broken, sorted and reused;

Precautions for disassembly:

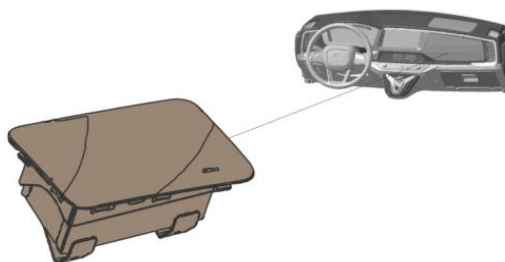
Wear protective equipment (protective glasses, gloves, etc.); Operate in a well ventilated environment;










Safety warning icon:



## 5.1.4 Front passenger airbag assembly

Part picture



PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:

All

Position:

On the right side of the main body on the instrument panel, above the instrument panel storage compartment

Main Materials:

SECC、PA66、TPO

Quantity:

1

Weight:

1.82Kg

Fastener:

bolt

Number of fasteners:

2

Disassembly tools:

socket wrench;

Disassembly method:

After safe detonation, use a screwdriver to loosen the bolts and remove the airbag module;

Recycling ways:

The detonated airbag can be broken, sorted and reused;

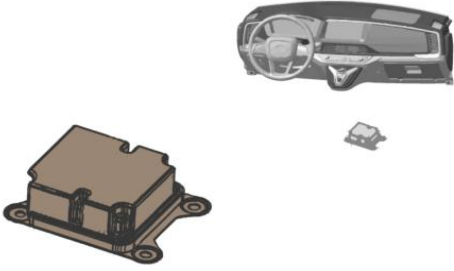




























Precautions for disassembly:

Wear protective equipment (protective glasses, gloves, etc.); Operate in a well ventilated environment;

Safety warning icon:





### 5.1.5 Airbag controller assembly



Part picture	<div></div> <table><tr><td>PP</td><td></td><td>PE</td><td></td></tr><tr><td>PVC</td><td></td><td>PA</td><td></td></tr><tr><td>ABS</td><td></td><td>PMMA</td><td></td></tr><tr><td>PUR</td><td></td><td>GLASS</td><td></td></tr><tr><td>OTHER</td><td></td><td></td><td></td></tr></table>	PP		PE		PVC		PA		ABS		PMMA		PUR		GLASS		OTHER			
PP		PE																			
PVC		PA																			
ABS		PMMA																			
PUR		GLASS																			
OTHER																					
Applicable models:	All																				
Position:	Center of the front floor near the cowl																				
Main Materials:	Composite material, PP, T14 galvanized sheet																				
Quantity:	1																				
Weight:	0.15 Kg																				
Fastener:	nut;																				
Number of fasteners:	3																				
Disassembly tools:	socket wrench;																				
Disassembly method:	Loosen the fasteners to remove;																				
Recycling ways:	Steel melt remanufacturing;																				
Precautions for disassembly:	Wear protective equipment (goggles, gloves, etc.);																				
Safety warning icon:																					



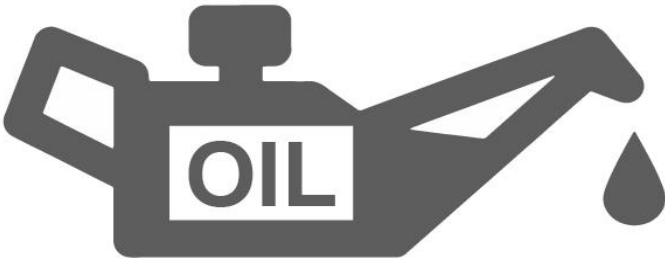

### 5.1.6 Refrigerant

Part picture	
Applicable models:	All
Position:	Air conditioning pipeline;
Main Materials:	HFO-1234yf;
Quantity:	1
Weight:	0.6 Kg
Fastener:	/
Number of fasteners:	/
Disassembly tools:	Refrigerant discharge device;
Disassembly method:	Discharge with special refrigerant discharge equipment;
Recycling ways:	Deliver the refrigerant to the qualified enterprise for treatment;
Precautions for disassembly:	Wear protective equipment (protective glasses, gloves, etc.); Operate in a well ventilated environment;
Safety warning icon:	



### 5.1.7 Brake liquid

Part picture	
Applicable models:	All
Position:	In the brake pipeline;
Main Materials:	DOT4;
Quantity:	1
Weight:	0.52 L
Fastener:	/
Number of fasteners:	/
Disassembly tools:	Flat screwdriver;
Disassembly method:	Remove the pipeline with a screwdriver and then discharge it;
Recycling ways:	Deliver the waste liquid to the qualified enterprise for treatment;
Precautions for disassembly:	Wear protective equipment (protective glasses, gloves, etc.);
Safety warning icon:	

### 5.1.8 Reducer oil

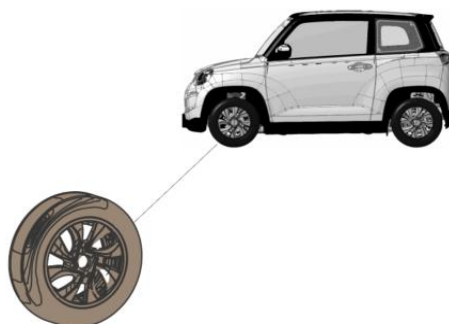
Part picture	
Applicable models:	All
Position:	Front part of subframe/lower part of nacelle bracket;
Main Materials:	Lubricant GL-5 80W-90;
Quantity:	1
Weight:	0.8 L
Fastener:	/
Number of fasteners:	/
Disassembly tools:	socket wrench;
Disassembly method:	Loosen the oil port bolt;
Recycling ways:	Deliver the waste liquid to the qualified enterprise for treatment;
Precautions for disassembly:	Wear protective equipment (protective glasses, gloves, etc.);
Safety warning icon:	

### 5.1.9 Windshield washer fluid

Part picture	
Applicable models:	All
Position:	In the washing tank
Main Materials:	Detergent
Quantity:	1
Weight:	2 Kg
Fastener:	/
Number of fasteners:	/
Disassembly tools:	Flat screwdriver;
Disassembly method:	Remove the pipeline with a screwdriver and then discharge it;
Recycling ways:	Deliver the waste liquid to the qualified enterprise for treatment;
Precautions for disassembly:	Wear protective equipment (protective glasses, gloves, etc.);
Safety warning icon:	

## 5.1.10 Tire

Part picture



PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:

All

Position:

Wheel position

Main Materials:

Rubber

Quantity:

4

Weight:

11.3Kg

Fastener:

Nut

Number of fasteners:

5

Disassembly tools:

air wrench;

Disassembly method:

Use a pneumatic wrench to remove the fixing bolts and remove the tires and wheels;

Recycling ways:

Reuse of waste rubber powder; Reuse of waste rubber reclaimed rubber;

Precautions for disassembly:

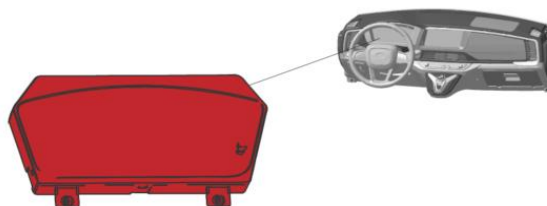
Wear protective equipment (goggles, gloves, etc.);

Safety warning icon:



### 5.1.11 Instrument lighting

Part picture



PP		PE	
PVC		PA	
ABS		PMMA	
PUR		GLASS	
OTHER			

Applicable models:

All

Position:

Left side of instrument panel, area in front of steering wheel

Main Materials:

ABS;

Quantity:

1

Weight:

0.5Kg

Fastener:

screw

Number of fasteners:

2

Disassembly tools:

Phillips screwdriver;

Disassembly method:

Loosen the fasteners to remove;

Recycling ways:

Separation and modification of mixed plastics for recycling;

Precautions for disassembly:

Wear protective equipment (goggles, gloves, etc.);

Safety warning icon:

