

**ECE TYPE-APPROVAL CERTIFICATE**



Communication Concerning: ~~Approval granted~~  
~~Approval extended~~  
~~Approval refused~~  
~~Approval withdrawn~~  
~~Production definitively discontinued~~


Of a type of electrical/electronic sub-assembly with regard to Regulation No.10.

Approval No: **E24\*10R05/01\*2477\*00**

Reason for extension: *N/A*

1. Make (trade name of manufacturer): ***KNK Grup***
2. Type and general commercial description: ***JOVA / N-60-XX***  
Variant(s): *N/A*
3. Means of identification of type, if marked on the component: ***Type code is given as product model on the label (last two digits can be changed according to color of the cover)***
- 3.1 Location of that marking: ***Top or side of cover of the combustion heater***
4. Category of vehicle: ***See Appendix***
5. Name and address of manufacturer: ***KNK Grup Elektrik Elektronik Makina  
Imalati Yazilim Mekanik Tasarim San. Ve  
Tic. Ltd. Sti.  
Serifali Mah. Burhan Sk. No:1/1  
Umraniye/Istanbul, Turkey***
6. In the case of components and separate technical units,  
location and method of affixing of the ECE approval mark: ***Printed on identification label***
7. Address(es) of assembly plant(s): ***KNK Grup Elektrik Elektronik Makina  
Imalati Yazilim Mekanik Tasarim San. Ve  
Tic. Ltd. Sti.  
Serifali Mah. Burhan Sk. No:1/1  
Umraniye/Istanbul, Turkey***

Approval No: E24\*10R05/01\*2477\*00

8. Additional information (where applicable): *See appendix*
9. Technical service responsible for carrying out the tests: *Optival Test ve Belgelendirme A.S  
Yahyakaptan Mah. Beril Sk. No: 9/D  
41050 Kocaeli / Turkey*
10. Date of test report: *21.03.2018*
11. Number of test report: *OPH-T-00240-00 Rev01*
12. Remarks (if any): *See Appendix*
13. Place: *Dublin*
14. Date: *28<sup>th</sup> March, 2018.*
15. Signature: 
16. The index to the information package lodged with the approval authority, which may be obtained on request is attached.



## Appendix

To type-approval communication concerning the type approval of an electrical/electronic sub-assembly under Regulation No.10.

- |       |   |   |
|-------|---|---|
| 1.    | Additional information  |   |
| 1.1.  | Electrical system rated voltage:  | <i>12V &amp; 24V, negative ground</i>   |
| 1.2.  | This ESA can be used on any vehicle type with the following restrictions:   | <i>See manufacturer's specifications.</i>   |
| 1.2.1 | Installation conditions, if any:  | <i>See manufacturer's specifications.</i>   |
| 1.3.  | This ESA can only be used on the following vehicle types:   | <i>N/A</i>  |
| 1.3.1 | Installation conditions, if any:  | <i>N/A</i>  |
| 1.4.  | The specific test method(s) used and the frequency ranges covered to determine immunity were:                       | <i><b>Bulk current injection method</b><br/>           Frequency range: 20 - 80 MHz<br/> <b>Free field testing method</b><br/>           Frequency range: 80 - 2000 MHz</i> |
| 1.5.  | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i><b>Optival Test ve Belgelendirme A.S</b></i>   |
| 2.    | Remarks:  | <i>N/A</i>  |

Appendix to type-approval communication concerning the type approval of a vehicle under Regulation No.10.

- |     |   |            |
|-----|---|------------|
| 1.  | Additional information  |            |
| 2.  | Special devices for the purpose of Annex 4 to this Regulation:  | <i>N/A</i> |
| 3.  | Electrical system rated voltage:  | <i>N/A</i> |
| 4.  | Type of bodywork:   | <i>N/A</i> |
| 5.  | List of electronic systems installed in the tested vehicle(s) not limited to the items in the information document: | <i>N/A</i> |
| 5.1 | Vehicle equipped with 24 GHz short-range radar equipment (yes/no):  | <i>N/A</i> |
| 6.  | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>N/A</i> |
| 7.  | Remarks:  | <i>N/A</i> |

**ECE TYPE-APPROVAL CERTIFICATE**



concerning: 2/ APPROVAL GRANTED  
~~APPROVAL EXTENDED~~  
~~APPROVAL REFUSED~~  
~~APPROVAL WITHDRAWN~~  
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a component type pursuant to Regulation No. 122.

Approval No.: E24\*122R00/03\*0036\*00

Reason for extension:


N/A.

**SECTION I**

- 1.1 Make (trade name of manufacturer): **KNK**
- 1.2. Type: **JOVA**
- 1.3 Means of identification if marked on the device: **Type code is given as product model on the label (last two digits can be changed according to color of the cover)**
- 1.3.1 Location of that marking: **Top or side of cover of the combustion heater**
- 1.4. Name and address manufacturer: **KNK Grup Elektrik Elektronik  
Makine İmalatı Yazılım Mekanik  
Tasarım San. ve Tic. Ltd. Şti.  
Şerifali Mh. Burhan Sk. No:1/1  
Ümraniye/İstanbul Turkey**
- 1.5 Location of ECE approval mark: **Printed on the identification label, mounted on top**
- 1.6 Address(es) of assembly plant(s): **KNK Grup Elektrik Elektronik  
Makine İmalatı Yazılım Mekanik  
Tasarım San. ve Tic. Ltd. Şti.  
Şerifali Mh. Burhan Sk. No:1/1  
Ümraniye/İstanbul Turkey**

Approval No.: **E24\*122R00/03\*0036\*00**

**SECTION II**

1. Additional information(where applicable)
2. Technical service responsible for carrying out the tests: ***Optival Test ve Belgelendirme A.Ş  
Alikahya Fatih Mah. Sakıp Sabancı  
Bulv. No:71 Kocaeli / Turkey.***
3. Date of test report: ***31.08.2018***
4. Number of test report: ***OPH-T-00458-00 Rev00***
5. Remarks (if any): ***N/A***
6. Place: ***Dublin.***
7. Date: ***05<sup>th</sup> October, 2018.***
8. Signature: 
9. The index to the information package lodged with the approval authority which may be obtained on request, is attached



Approval No: **E24\*122R00/03\*0036\*00**

## **Index to the Information Package**

Date of issue: **05<sup>th</sup> October, 2018.**

Date of latest amendment: **N/A.**

Reason for extension/revision: **N/A**

1. Additional conditions, and advisory  
notes on legal alternatives

2. Test report(s)

- numbers(s): **OPH-T-00458-00 Rev00**

- date of issue: **31.08.2018**

- date of latest amendment: **N/A**

3. Information document

- number(s): **R122-00**

- date of issue: **14.08.2018**

- date of latest amendment: **N/A**

Documentation: **28 pages**