



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED⁽⁴⁾/ APPROVAL EXTENDED⁽⁴⁾/
APPROVAL REFUSED⁽⁴⁾/ APPROVAL WITHDRAWN⁽⁴⁾/ PRODUCTION DEFINITELY
DISCONTINUED⁽⁴⁾ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY⁽¹⁾ WITH
REGARD TO REGULATION NO. 10.04



Approval No: 10R-047835

Extension No: 01

1. Make (trade name of manufacturer): Hubbard Products Ltd
2. Type and general commercial description(s): \$39EL21A Vehicle Refrigeration System
3. Means of identification of type, if marked on the ~~vehicle/component/separate technical unit:~~⁽⁴⁾
Self adhesive label
 - 3.1. Location of that marking: On or near the condensing unit serial plate
4. Category of vehicle: N1, N2, N3
5. Name and address of manufacturer:

Hubbard Products Ltd,
Hillview, Church Road,
Otley, Ipswich,
Suffolk,
IP6 9NP
6. In the case of components and separate technical units, location and method of affixing of the ECE approval mark: Self adhesive label located on or near the condensing unit serial plate

EAN272062

An executive agency of the Department for Transport
June 2012 Revision 0



7. Address(es) of assembly plant(s):

Hubbard Products Ltd,
Hillview, Church Road,
Otley, Ipswich,
Suffolk,
IP6 9NP

8. Additional information (where applicable): See appendix

9. Technical Service responsible for carrying out the tests: TRaC Global Ltd

10. Date of test report: 1st May 2013

11. No. of test report: TRA-014262-38-00A

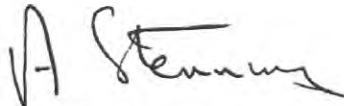
12. Any remarks: Approval to Supplement ?

See Appendix

13. Place: BRISTOL

14. Date: 31 MAY 2013

15. Signature:



A. W. STENNING
Head of Technical and Quality Support Group

16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.

17. Reasons for extension: To cover additional model variants

(1) Strike out what does not apply.



390/460/500 EMC testing.

390AEL-12-1 modification for EMC test purposes to show 'worst case' product that covers the following models:

\$39EL21A, \$39EL23A, \$39EL23AT, \$39EL21AT, \$39EL41A, \$39EL43A, \$39EL41AT, \$39EL21ATT, \$39EL21ATTI, \$39EM21A, \$39EM23A, \$39EM23AHC \$39EM21AHC
 \$39EM21AHC, \$39EM41A, \$39EM41AHC, \$39L2A, \$39L2AT, \$39L4A, \$39M2, \$39M2AHC, \$39M4A, \$39M4AHC

\$46EL21A, \$46EL21AS, \$46EL43A, \$46EL23A, \$46EL23AT \$46EL21AT, \$46EL21ATS, \$46EL41A, \$46EL41AT, \$46EM21A, \$46EM23A, \$46EM21AHC, \$46EM41A, \$46EM41AHC, \$46L2A, \$46L2AT, \$46L4A, \$46M2, \$46M2AHC, \$46M4A, \$46M4AHC

\$50EL21A, \$50EL21AT, \$50L2A, \$50EL41AT, \$50EL41A, \$50L4A, \$50L4AT

Product for testing including modifications to cover the above range:

A7560-11* 390 AEL-12-1 Condenser
 A8101-16** 390 Low temperature 12Vdc Evaporator
 A6326-133 Controller 9-24Vdc Twice System
 950381-114 TM15 compressor

Modifications:

* Thermal switch and solenoid (015260) to be wired in. Normally fitted to component 950381-114 during installation.

** Additional 2 solenoid valves (015260) to cover \$39EL21AT, \$39L2AT, \$46EL21AT, \$46EL21ATS \$46EL41AT, \$46L2AT, \$50EL21AT, \$50EL41AT, \$50L4AT models that include twin evaporator use.

Additional drain pan heater to cover all 'new' L models

Additional drain line heaters (x2) that would normally be fitted on installation of system.

The product to be tested above constitutes additional testing based on the results from models \$36M2A and \$385M2A as the primary sources of emissions are common to all products:

Condenser fan motor				
013438	FAN 225 DIA 12v SUCTION	Spal Automotive VA07-AP8/C-58A 3010.0442		2
Evaporator fan motor				
020218	SPAL FAN 12V 225mm BLOW	Spal Automotive VA07-AP12/VLL58S		2
Controller				
252-126	DIGITAL STAT/DEF CLOCK	ELEKTRONICS ID974 12V		1
Compressor				
950381-***	SELTEC TM15HD	AUTOCLIMATE 0381-114		1

