Willow Run (WR) Test Labs, Inc.
7117 Fieldcrest Dr.
Brighton, Michigan 48116 USA
Tel: (734) 252-9785
Fax: (734) 926-9785
e-mail: info@wrtest.com

Attn.:Certification and Engineering Bureau, Innovation, Science and Economic Development Canada
3701 Carling Avenue, Bldg. 94
Ottawa, Ontario K2H 8S2
Re: Certification for Continental Automotive M3N284074
IC: 7812A-284074

If necessary, we have enclosed application materials for certification of Continental Automotive M3N284074. It has been fully tested and found to comply with ISED RSS-GENv4.

**Current Variants:**
There are a total of four new variants of the EUT, (models: GAI1, GAI2, GAI3, and GAI4) two of which (GAI3 and GAI4) are modified from the originally certified device and are fully measured herein. Model GAI3 is updated to work on a non-metallic lock housing. Model GAI4 is updated with a new connector shape.

**History:**
Original Grant: Sept., 2010; FCC ID: M3N284074; IC: 7812A-284074, PNs: A2C53409480, A2C53409287

**Changes Made:**
The original parts (A2C53409480: NON-PEPS variant, A2C53409287: PEPS variant) are joined by four new models. The original A2C53409480 device has had one component of the same value moved from pad C017 to parallel pad C014, and is now designated by model GAI1. Next, a 470pF tuning component was added to the GAI1 model on pad C017 to re-tune the output due to a change in lock housing material from metal to plastic on some vehicle lines. This change is designated by model GAI3 which also has a new connector shape. Similarly, a component moving from pad C017 to C014 on A2C53409287 results in the new GAI2 model, and only the new connector shape results in the new GAI4 model.

**Action Taken:**
The GAI1, GAI2, and GAI4 models all have changes that do not effect the electrical circuit of the device, and qualify as Class I changes. The change of tuning component on the GAI3 model however requires a Class II application as it is a change to the RF section of the device. Both the GAI3 and GAI4 models have been fully evaluated to demonstrate ongoing compliance.

The changes made qualify as a permissive change for IC (ref. IC RSP-100). If there are any questions regarding the application or testing performed, please contact us at the above address or call (734) 252-9785, or e-mail info@wrtest.com.

Sincerely,

Joseph D. Brunett
Willow Run (WR) Test Labs, Inc.

Willow Run (WR) Test Labs, Inc.
7117 Fieldcrest Dr.
Brighton, Michigan 48116 USA
Tel: (734) 252-9785
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Attn.:Federal Communications Commission
Equipment Approval Services
P.O. Box 358315
Pittsburgh, PA 15251-5315
Re: Certification for Continental Automotive M3N284074
FCC ID: M3N284074

If necessary, we have enclosed application materials for certification of Continental Automotive M3N284074. It has been fully tested and found to comply with CFR Title 47, Part 15.209.

**Current Variants:**
There are a total of four new variants of the EUT, (models: GAI1, GAI2, GAI3, and GAI4) two of which (GAI3 and GAI4) are modified from the originally certified device and are fully measured herein. Model GAI3 is updated to work on a non-metallic lock housing. Model GAI4 is updated with a new connector shape.

**History:**
Original Grant: Sept., 2010; FCC ID: M3N284074; IC: 7812A-284074, PNs: A2C53409480, A2C53409287

**Changes Made:**
The original parts (A2C53409480: NON-PEPS variant, A2C53409287: PEPS variant) are joined by four new models. The original A2C53409480 device has had one component of the same value moved from pad C017 to parallel pad C014, and is now designated by model GAI1. Next, a 470pF tuning component was added to the GAI1 model on pad C017 to re-tune the output due to a change in lock housing material from metal to plastic on some vehicle lines. This change is designated by model GAI3 which also has a new connector shape. Similarly, a component moving from pad C017 to C014 on A2C53409287 results in the new GAI2 model, and only the new connector shape results in the new GAI4 model.

**Action Taken:**
The GAI1, GAI2, and GAI4 models all have changes that do not effect the electrical circuit of the device, and qualify as Class I changes. The change of tuning component on the GAI3 model however requires a Class II application as it is a change to the RF section of the device. Both the GAI3 and GAI4 models have been fully evaluated to demonstrate ongoing compliance.

The changes made qualify as a permissive change for FCC (ref. FCC, Part 2, 2.1043(a)(1)).If there are any questions regarding the application or testing performed, please contact us at the above address or call (734) 252-9785, or e-mail info@wrtest.com.

Sincerely,
Joseph D. Brunett
Willow Run (WR) Test Labs, Inc.