



Recall Service Bulletin



DATE: 11-02-16

APPLIES TO: This Recall service bulletin applies to motorhome chassis, model year 2017, K2 and K3 models built between March 24, 2016 and August 31, 2016.

NHTSA/TC Id: 16V-776

CONDITION: Certain wires in the throttle circuit were not twisted which could result in a throttle setting above or below the commanded throttle setting/input.

CORRECTION: Adding an overlay harness with properly twisted wiring.

LABOR ALLOCATION: Entegra – 3 hrs.
Newmar & Foretravel – 5 hrs.

CLASSIFICATION: V3

PARTS NEEDED:

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|--|
| 1 | S-2562-001 | Kit-S/R Harn Throttle Overlay (Williams Pedal) |

Kit # S-2562-001 for Newmar Coaches Contains:

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|--|
| 1 | 3995-GG5-001 | Harn-S/R Throttle Overlay (Williams Pedal) |
| 1 | 0411-310-1605 | Deutsch Contact Removal Tool |
| 1 | RSB16-500-003 | Instruction Document |

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|--|
| 1 | S-2562-002 | Kit-S/R Harn Throttle Overlay (Konsberg Pedal) |

Kit # S-2562-002 for Entegra and Foretravel Coaches Contains:

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|--|
| 1 | 3995-GG5-002 | Harn-S/R Throttle Overlay (Konsberg Pedal) |
| 1 | 0411-310-1605 | Deutsch Contact Removal Tool |
| 1 | RSB16-500-003 | Instruction Document |

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GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Motors USA, Inc. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

This modification must be performed at a Spartan Motors service center. For assistance locating a service center please call Spartan Motors at 855.589.9836 with your current mileage. Steps will be taken to ensure the recall is performed at the nearest authorized service center. You can also find a Spartan Motors service center most convenient to you by visiting http://spartanchassis.com/cps/service/service_centers.asp. When choosing the service center in the city most convenient to you, ensure the facility has the Cummins Authorized icon in the type of services provided list. To confirm the repair is performed appropriately, the use of Cummins INSITE software is required in the process.

STEP-BY-STEP INSTRUCTIONS for NEWMAR COACHES:

1. Identify and disconnect throttle pedal connector, Item **④** in FIG. 3-2, from throttle assembly. Pull back loom 12 inches over wiring terminated into throttle pedal connector. Verify wiring consists of 6 discreet wires (untwisted) then go to step 2. If wiring consists of 2 twisted triplets (refer to FIG. 3-2), replace loom over wiring and reconnect throttle pedal connector, Item **④**. No further action is required.
2. Pull back existing throttle pedal connector and stow/tape it back onto existing harness.
3. Connect new throttle pedal connector, Item **④**, of new 3995-GG5-001 overlay harness into throttle assembly. Refer to FIG. 3-2.
4. Route and secure as necessary new 3995-GG5-001 overlay harness along existing harness to forward left electrical compartment located on vehicle's exterior forward of left front tire.
5. Locate and disconnect main chassis harness interconnect, Item **①**, from forward electrical compartment disconnect. Refer to FIG. 3-2
6. Using Deutsch contact removal tool, remove circuits from disconnected Item **①**, cavities O, P, K, G, U, and T. Refer to FIG. 3-1.

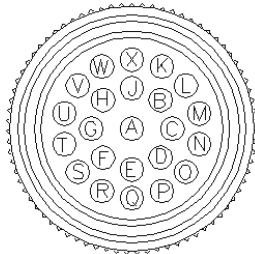
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1
REF ONLY - EXISTING



| ITEM: 1 | | | | | | |
|--|---------|-------------------------|------|-------|----------------------|------------|
| MAIN CHASSIS HARNESS INTERCONNECT - EXISTING | | | | | | |
| TERMINAL: 0462-2D1-16141 | | | | | | |
| DEUTSCH | | | | | | |
| OPT: ALL | | | | | | |
| MAP: E9 | | | | | | |
| CAV | CIRCUIT | SIZE (mm ²) | MAT. | COLOR | DESCRIPTION | WIRES NOTE |
| O | EN061 | 0.8 | TXL | OE | SENSOR SUPPLY 5 V | TWT-16 |
| P | EN062 | 0.8 | TXL | BE | ACCRTN POSN SEN 2 | TWT-16 |
| K | EN063 | 0.8 | TXL | BK | ECM RETURN SEN | TWT-16 |
| G | EN058 | 0.8 | TXL | YW | ACCRTN POSN SEN 1 SC | TWT-15 |
| U | EN059 | 0.8 | TXL | GY | ACCRTN POSN SEN 1 | TWT-15 |
| T | EN060 | 0.8 | TXL | BK | ACCRTN POSN SEN 1 RE | TWT-15 |
| NOTES: | | | | | | |

FIG. 3-1

- Cut off contacts from removed circuits, individually heat shrink, and pull/tape back onto existing harness.
- Insert new circuits from new overlay harness into existing main chassis harness interconnect connector Item 1. Refer to FIG. 3-1. Each wire is tagged with a label depicting which cavity it belongs in. Refer to FIG. 3-2. Note that the wiring/pin out does not change.

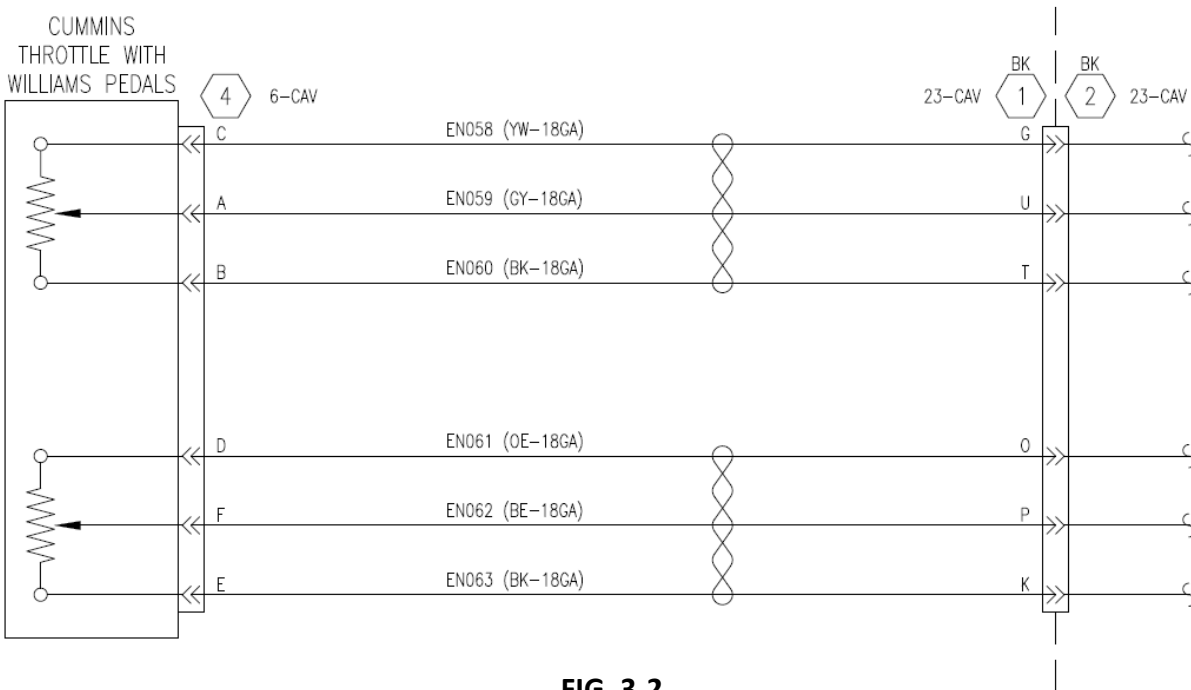



FIG. 3-2

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9. Re-connect main chassis harness interconnect connector, Item , to firewall disconnect. Refer to FIG. 3-2.
10. Assure new overlay harness is secured to existing harness as required throughout its entire run. Tape back any extra length as required.
11. Using Cummins® INSITE™, verify that no fault codes are generated at key-up. Also verify that appropriate values are seen in regards to throttle pedal position.

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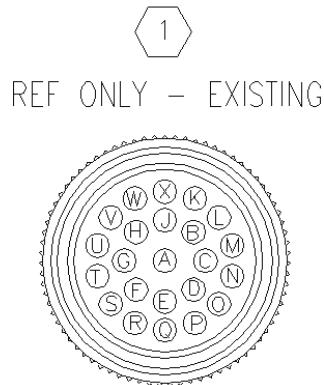


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STEP-BY-STEP INSTRUCTIONS for ENTEGRA COACHES:

1. Identify and disconnect throttle pedal connector, Item **④** in FIG 6-1, from throttle assembly. Pull back loom 12 inches over wiring terminated into throttle pedal connector. Verify wiring consists of 6 discreet wires (untwisted) then go to step 2. If wiring consists of 2 twisted triplets (refer to FIG. 6-1), replace loom over wiring and reconnect throttle pedal connector, Item **④**. No further action is required.
2. Pull back existing throttle pedal connector and stow/tape it back onto existing harness.
3. Connect new throttle pedal connector, Item **④** , of new 3995-GG5-002 overlay harness into throttle assembly. Refer to FIG. 6-1.
4. Route and secure as necessary new 3995-GG5-002 overlay harness along existing harness to firewall disconnect located forward of driver's position.
5. Locate and disconnect main chassis harness interconnect, Item **①** , from firewall disconnect. Refer to FIG. 6-1.
6. Using Deutsch contact removal tool, remove circuits from disconnected Item **①** cavities O, P, K, G, U, and T. Refer to FIG. 5-1.



| ITEM: 1 | | | | | | |
|--|---------|----------------------------|------|-------|----------------------|------------|
| MAIN CHASSIS HARNESS INTERCONNECT – EXISTING | | | | | | |
| TERMINAL: 0462-201-16141 | | | | | | |
| DEUTSCH | | | | | | |
| OPT: ALL | | | | | | |
| MAP: E9 | | | | | | |
| CAV | CIRCUIT | SIZE (mm ²) | MAT. | COLOR | DESCRIPTION | WIRES NOTE |
| O | EN061 | 0.8 | TXL | OE | SENSOR SUPPLY 5 V | TWT-16 |
| P | EN062 | 0.8 | TXL | BE | ACCRTN POSN SEN 2 | TWT-16 |
| K | EN063 | 0.8 | TXL | BK | ECM RETURN SEN | TWT-16 |
| G | EN058 | 0.8 | TXL | YW | ACCRTN POSN SEN 1 SC | TWT-15 |
| U | EN059 | 0.8 | TXL | GY | ACCRTN POSN SEN 1 | TWT-15 |
| T | EN060 | 0.8 | TXL | BK | ACCRTN POSN SEN 1 RE | TWT-15 |
| NOTES: | | | | | | |

FIG. 5-1

7. Cut off contacts from removed circuits, individually heat shrink, and pull/tape back onto existing harness.

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- Insert new circuits from new overlay harness into existing main chassis harness interconnect connector Item **1** . Refer to FIG. 5-1. Each wire is tagged with a label depicting which cavity it belongs in. Refer to FIG. 6-1. Note that the wiring/pin out does not change.

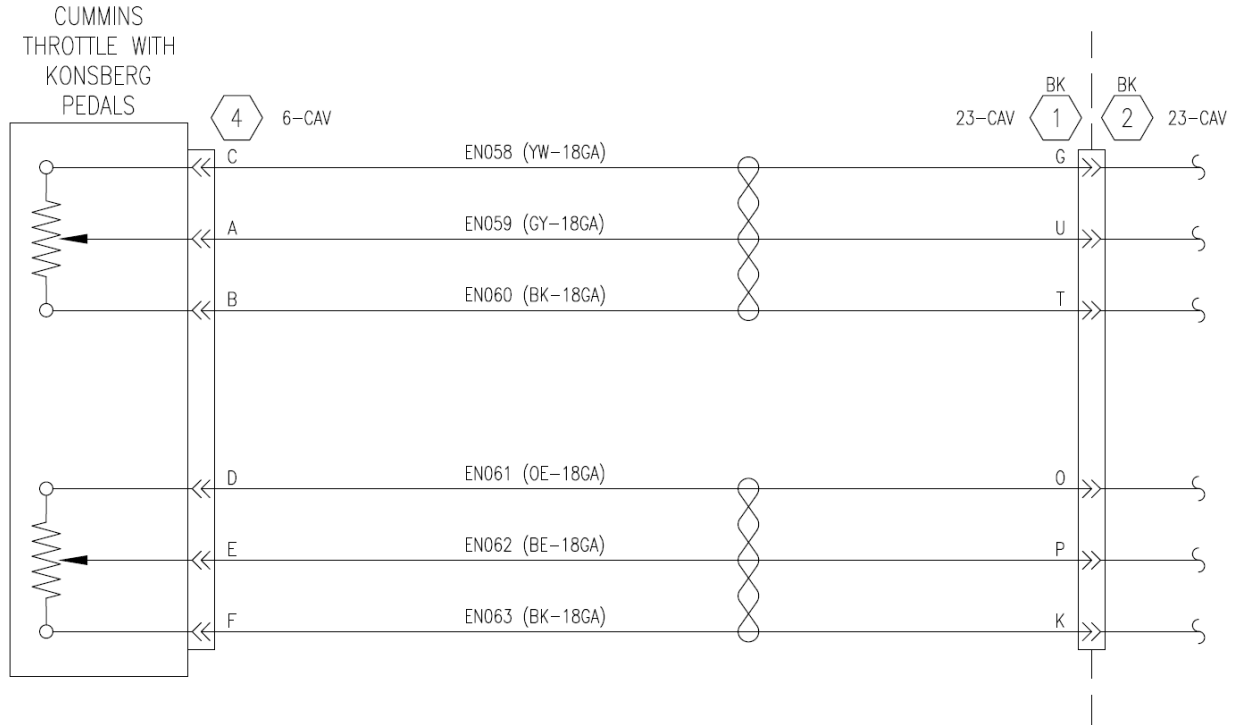


FIG. 6-1

- Re-connect main chassis harness interconnect connector, Item **1** , to firewall disconnect. Refer to FIG. 6-1.
- Assure new overlay harness is secured to existing harness as required throughout its entire run. Tape back any extra length as required.
- Using Cummins® INSITE™, verify that no fault codes are generated at key-up. Also verify that appropriate values are seen in regards to throttle pedal position.

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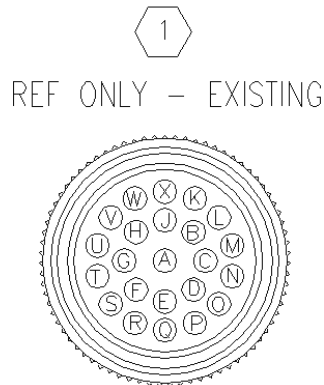


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STEP-BY-STEP INSTRUCTIONS for FORETRAVEL COACHES:

1. Identify and disconnect throttle pedal connector, Item ④ in FIG. 8-1, from throttle assembly. Pull back loom 12 inches over wiring terminated into throttle pedal connector. Verify wiring consists of 6 discreet wires (untwisted) then go to step 2. If wiring consists of 2 twisted triplets (refer to FIG. 8-1), replace loom over wiring and reconnect throttle pedal connector, Item ④. No further action is required.
2. Pull back existing throttle pedal connector and stow/tape it back onto existing harness.
3. Connect new throttle pedal connector, Item ④, of new 3995-GG5-002 overlay harness into throttle assembly. Refer to FIG. 8-1.
4. Route and secure as necessary new 3995-GG5-002 overlay harness along existing harness to forward left electrical compartment located on vehicle's exterior forward of left front tire.
5. Locate and disconnect main chassis harness interconnect, Item ①, from forward electrical compartment disconnect. Refer to FIG. 8-1.
6. Using Deutsch contact removal tool, remove circuits from disconnected Item ① cavities O, P, K, G, U, and T. Refer to FIG. 7-1.



| ITEM: 1 | | | | | | |
|--|---------|-------------------------|------|-------|----------------------|------------|
| MAIN CHASSIS HARNESS INTERCONNECT - EXISTING | | | | | | |
| TERMINAL: 0462-201-16141 | | | | | | |
| DEUTSCH | | | | | | |
| OPT: ALL | | | | | | |
| MAP: E9 | | | | | | |
| CAV | CIRCUIT | SIZE (mm ²) | MAT. | COLOR | DESCRIPTION | WIRES NOTE |
| O | EN061 | 0.8 | TXL | OE | SENSOR SUPPLY 5 V | TWT-16 |
| P | EN062 | 0.8 | TXL | BE | ACCRTN POSN SEN 2 | TWT-16 |
| K | EN063 | 0.8 | TXL | BK | ECM RETURN SEN | TWT-16 |
| G | EN058 | 0.8 | TXL | YW | ACCRTN POSN SEN 1 SC | TWT-15 |
| U | EN059 | 0.8 | TXL | GY | ACCRTN POSN SEN 1 | TWT-15 |
| T | EN060 | 0.8 | TXL | BK | ACCRTN POSN SEN 1 RE | TWT-15 |
| NOTES: | | | | | | |

FIG. 7-1

7. Cut off contacts from removed circuits, individually heat shrink, and pull/tape back onto existing harness.

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8. Insert new circuits from new overlay harness into existing main chassis harness interconnect connector Item **1** . Refer to FIG. 7-1. Each wire is tagged with a label depicting which cavity it belongs in. Refer to FIG. 8-1. Note that the wiring/pin out does not change.

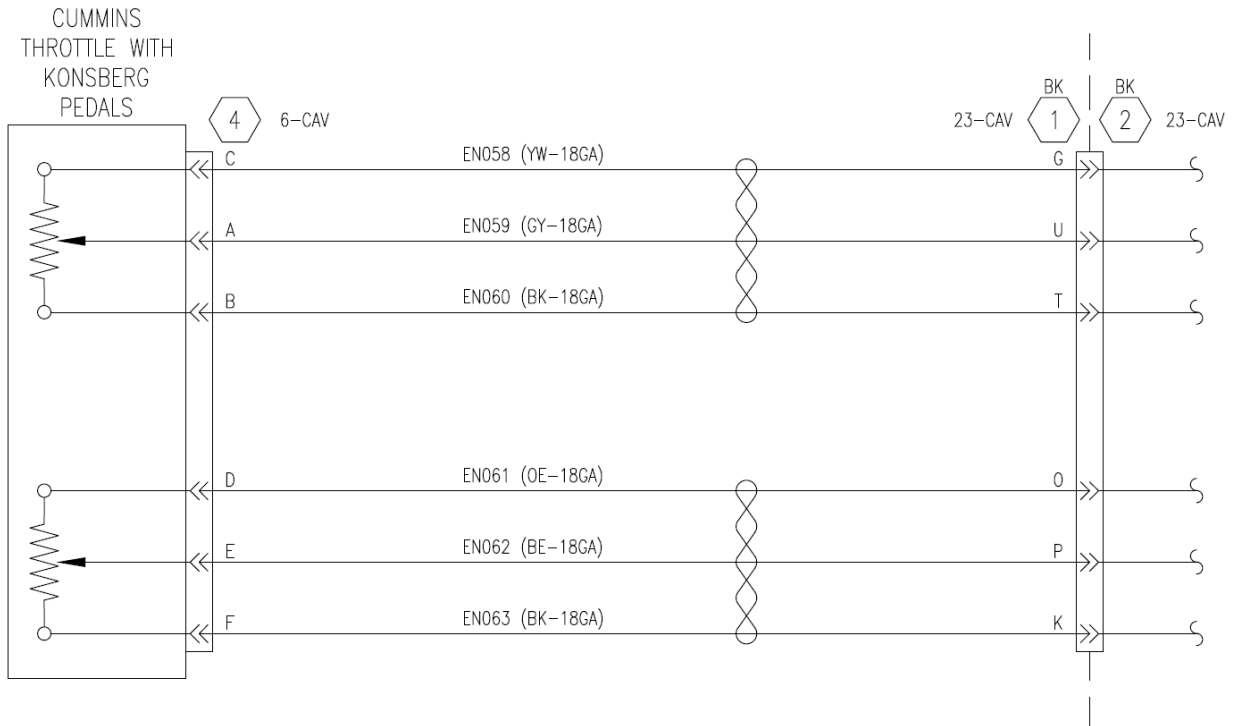


FIG. 8-1

9. Re-connect main chassis harness interconnect connector, Item **1** , to forward electrical compartment disconnect. Refer to FIG. 8-1.
10. Assure new overlay harness is secured to existing harness as required throughout its entire run. Tape back any extra length as required.
11. Using Cummins® INSITE™, verify that no fault codes are generated at key-up. Also verify that appropriate values are seen in regards to throttle pedal position.

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