

Control Board Kits for RoadLazer™ RoadPak™ Line Striping System

3A1301B
EN

- For the application of road marking reflective materials -
- For professional use only -

Models: 24G717, 24G718, 24G719, 24G720 and 24G721



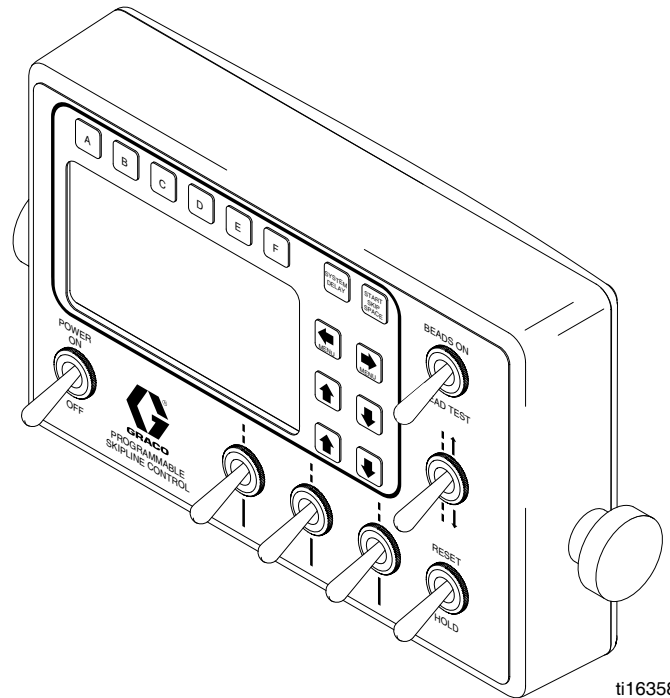
Important Safety Instructions

For complete warnings and safety instructions see RoadLazer™ RoadPak™ Line Striper System manual. Save these instructions.

NOTICE

To avoid damaging the electronic components of the control:

- **Always** use the personal grounding strap provided with the kits when you remove the cover and while you remove the parts. This strap protects the electronic components from damage due to electrostatic discharge.
- Do not lay anything on the control.
- Be sure the open side of the control faces up if you lay it down.
- Do not twist or force parts. Align them properly as instructed in this manual.






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ATTENTION!





To configure the Programmable Skipline Controller to operate with a single wheel tow-behind RoadLazer system (models 231378, 231571 and 231571), see manual 3A1215.

Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

 WARNING	
 	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> Do not operate the unit when fatigued or under the influence of drugs or alcohol. Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer’s warnings. For complete information about your material, request MSDS from distributor or retailer. Do not leave the work area while equipment is energized or under pressure. Turn off all equipment and follow the Pressure Relief Procedure when equipment is not in use. Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer’s replacement parts only. Do not alter or modify equipment. Use equipment only for its intended purpose. Call your distributor for information. Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not kink or over bend hoses or use hoses to pull equipment. Keep children and animals away from work area. Comply with all applicable safety regulations.

Grounding

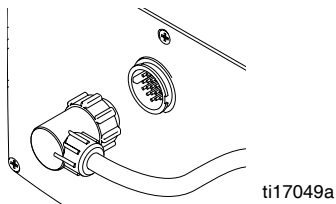
				
<p>The equipment must be grounded. Grounding reduces the risk of static shock by providing an escape path for the electrical current due to static build up or in the event of a short circuit.</p>				

24G717 Removal

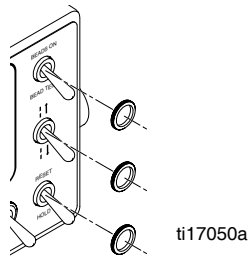
NOTICE

Wear the grounding strap provided with this kit to avoid shorting out the circuit boards.

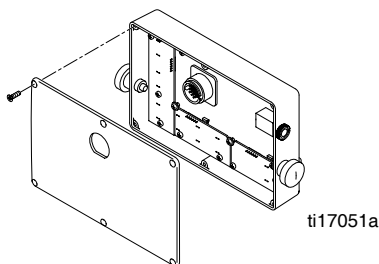
1. Put on the ground strap provided. Wrap the first 12 in. around your wrist with the black adhesive inward. Attach the copper tape on the opposite end to an electrically grounded surface.
2. Disconnect control cable from control box.



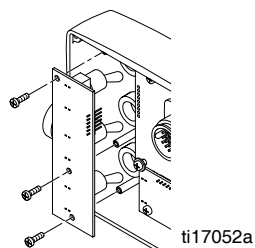
3. Remove three toggle switch nuts from control box face.



4. Turn over and remove six screws holding cover in position, then remove cover to gain access to control board components.

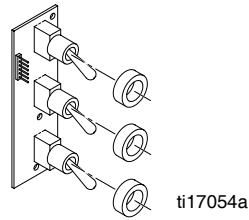


5. Remove three screws holding board in place. Carefully lift board off from pin connections.

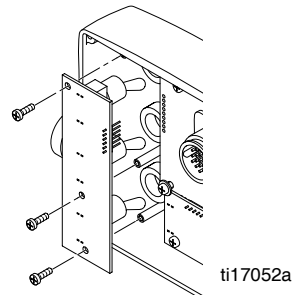


24G717 Installation

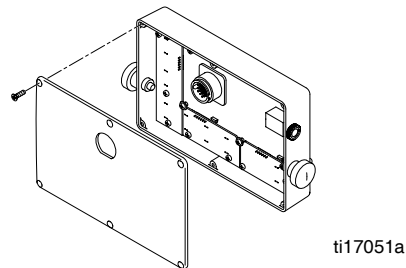
1. Install toggle switch spacers on new board.



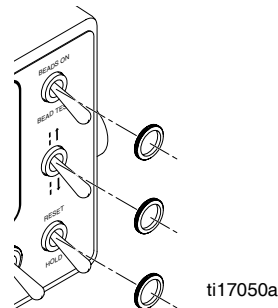
2. Install board on pin connections and tighten three screws to hold board in place.



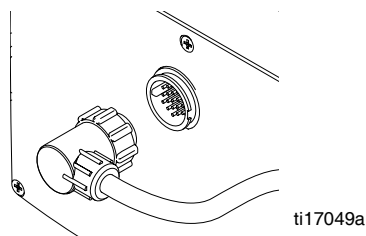
3. Replace cover and tighten six screws to hold cover in place.



4. Install toggle switch nuts into control box.



5. Install control cable on control box.

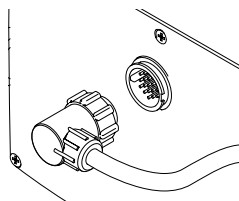


24G718 Removal

NOTICE

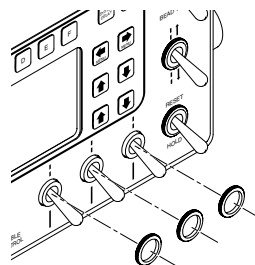
Wear the grounding strap provided with this kit to avoid shorting out the circuit boards.

1. Put on the ground strap provided. Wrap the first 12 in. around your wrist with the black adhesive inward. Attach the copper tape on the opposite end to an electrically grounded surface.
2. Disconnect control cable from control box.



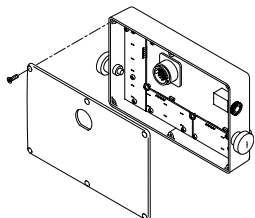
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3. Remove three toggle switch nuts from control box face.



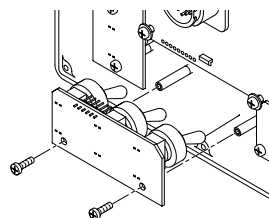
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4. Turn over and remove six screws holding cover in position, then remove cover to gain access to control board components.



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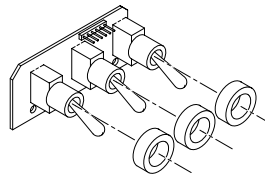
5. Remove two screws holding board in place. Carefully lift board off from pin connections.



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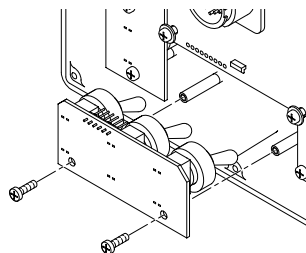
24G718 Installation

1. Install toggle switch spacers on new board.



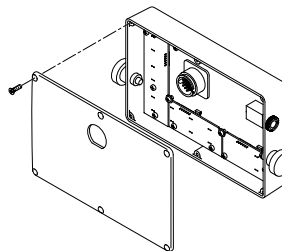
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2. Install board on pin connections and tighten two screws to hold board in place.



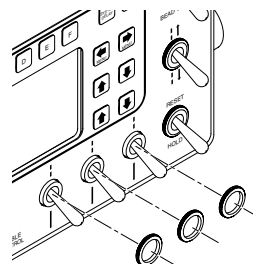
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3. Replace cover and tighten six screws to hold cover in place.



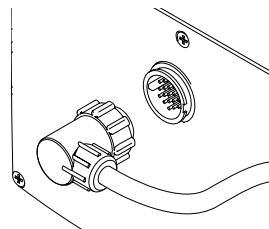
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4. Install toggle switch nuts to control box.



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5. Install control cable to control box.



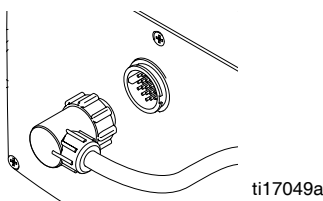
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24G719 Removal

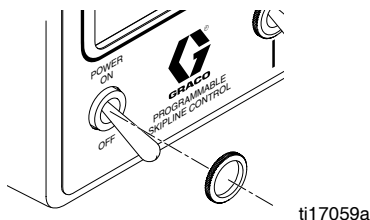
NOTICE

Wear the grounding strap provided with this kit to avoid shorting out the circuit boards.

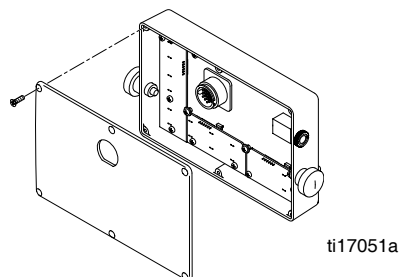
1. Put on the ground strap provided. Wrap the first 12 in. around your wrist with the black adhesive inward. Attach the copper tape on the opposite end to an electrically grounded surface.
2. Disconnect control cable from control box.



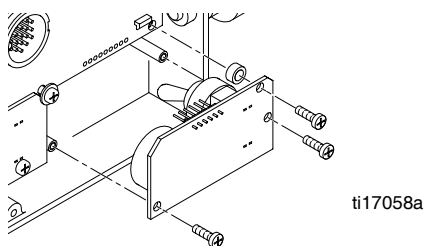
3. Remove toggle switch nut from control box face.



4. Turn over and remove six screws holding cover in position, then remove cover to gain access to control board components.

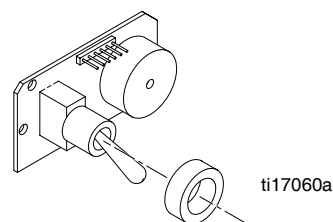


5. Remove three screws holding board in place. Carefully lift board off from pin connections.

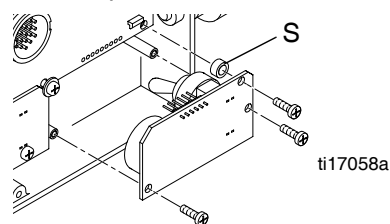


24G719 Installation

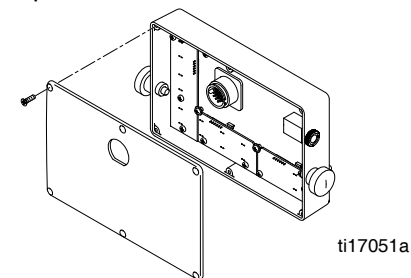
1. Install toggle switch spacer on new board.



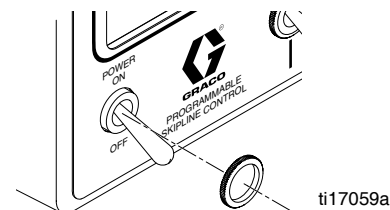
2. Install board on pin connections and position board spacer (S). Install and tighten three screws to hold board in place.



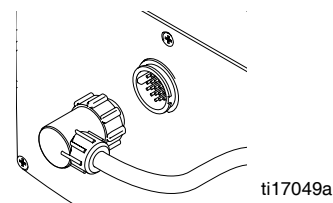
3. Replace cover and tighten six screws to hold cover in place.



4. Install toggle switch nut to control box.



5. Install control cable to control box.

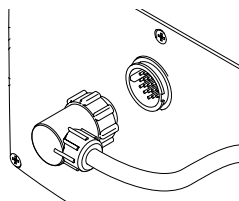


24G720 Removal

NOTICE

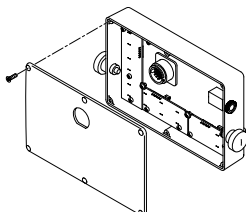
Wear the grounding strap provided with this kit to avoid shorting out the circuit boards.

1. Put on the ground strap provided. Wrap the first 12 in. around your wrist with the black adhesive inward. Attach the copper tape on the opposite end to an electrically grounded surface.
2. Disconnect control cable from control box.



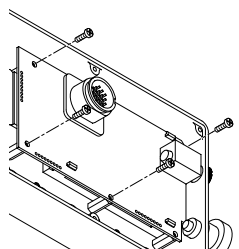
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3. Turn over and remove six screws holding cover in position, then remove cover to gain access to control board components.



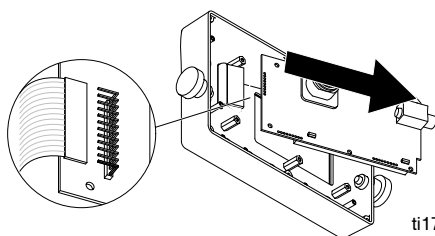
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4. Remove boards 24G717, 24G718, and 24G719 as described earlier.
5. Remove four screws holding board in place and remove side jack nut.



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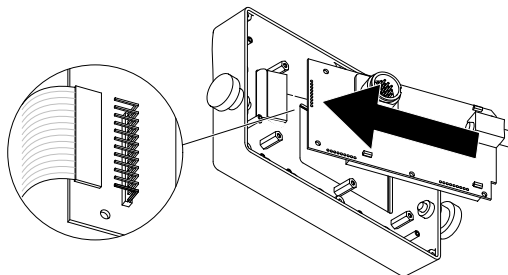
6. Carefully remove board from connecting membrane on front of housing.



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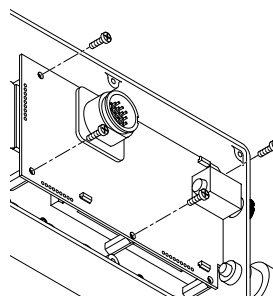
24G720 Installation

1. Place control board onto connecting membrane on front of housing.



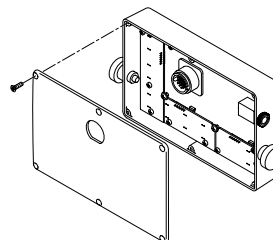
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2. Install and tighten four screws to hold board into place. Install and tighten side jack nut.



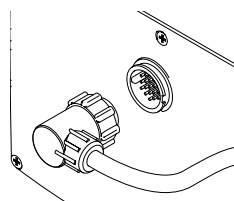
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3. Replace boards 24G719, 24G718, and 24G717 as described earlier.
4. Replace cover and tighten six screws to hold cover into position.



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5. Install control cable into control box.



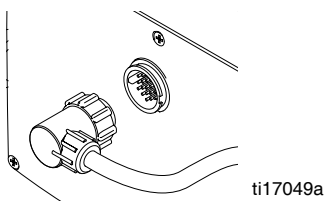
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24G721 Removal

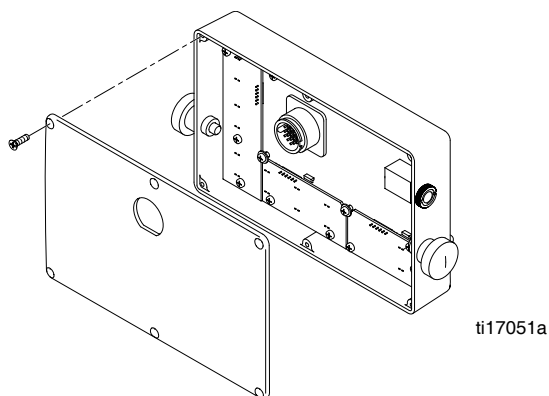
NOTICE

Wear the grounding strap provided with this kit to avoid shorting out the circuit boards.

1. Put on the ground strap provided. Wrap the first 12 in. around your wrist with the black adhesive inward. Attach the copper tape on the opposite end to an electrically grounded surface.
2. Disconnect control cable from control box.



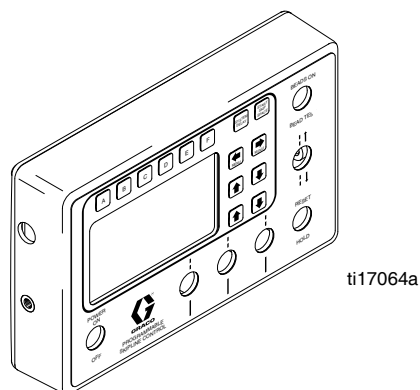
3. Remove all toggle switch nuts from control box face.
4. Turn over and remove six screws holding cover in position, then remove cover to gain access to control board components.



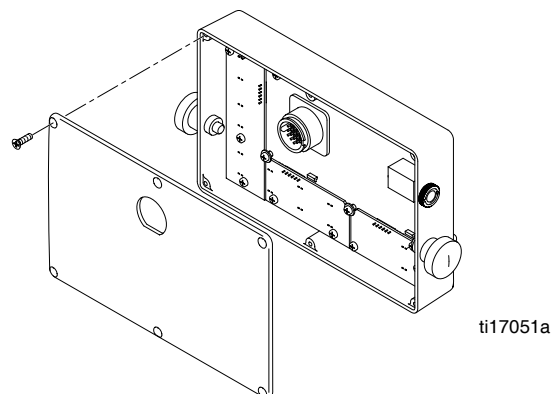
5. Remove boards 24G717, 24G718, 24G719, and 24G720 as described earlier.

24G721 Installation

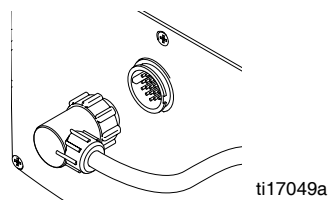
1. Replace housing.



2. Replace boards 24G720, 24G719, 24G718, and 24G717 as described earlier.
3. Replace cover and tighten six screws to hold cover into position.



4. Install control cable to control box.



Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

The Parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

Graco Information

For the latest information about Graco products, visit www.graco.com.

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.

All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

For patent information, see www.graco.com/patents.
Original instructions. This manual contains English. MM 3A1301

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