

TECHNICAL BULLETIN

GCM RECEPTACLE MODIFICATION



PRODUCT ALL SEAKEEPER SERIES MODELS

PURPOSE

The manufacturer of Seakeeper gyro control module (GCM) receptacles experienced a world-wide shortage of connector housings (for Keying A) in early 2021. The Keying A is the standard mating connector for the Seakeeper GCM. Another connector housing in the same series (for D-keying) was substituted. This bulletin instructs how one can modify the Keying A GCM to allow connection with the Keying D connector. Once the GCM is modified it will work with either of the connector housings. Wire Harnesses installed during the 2021 shortage may include the connector housing with a D-keying. In those serial range, a replacement GCM will need modification as indicated in this bulletin. GCMs shipped as spare parts or replacements during the shortage had the modification completed prior to shipment.

In other instances, if a replacement wire harness was needed for ANY service intervention on a Seakeeper with serial numbers prior to those listed below during the shortage, the existing GCM required the modification to accept the wire harness with the D-keyed connector.

If servicing a model with these serial number ranges, the Seakeeper harness will be equipped with a Keying D GCM connector; the modification instructed below may be required.

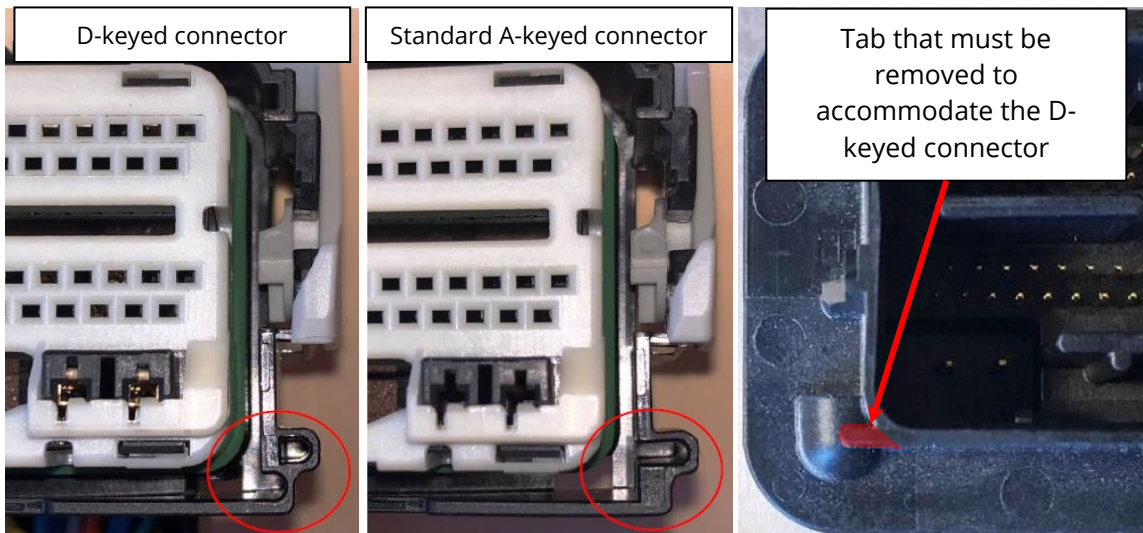
Model	Cut-in Serial	Ending Serial
Seakeeper 1	1-212-0254	1-213-0431
Seakeeper 2	2-212-0630	2-212-0852
Seakeeper 3	3-212-2007	3-212-2653
Seakeeper 6/5	6-212-3072	6-213-3974
Seakeeper 9	9-212-3413	9-212-3928
Seakeeper 16 / 18	16/18-213-0318	16/18-212-0596
Seakeeper 26	26-213-0460	26-212-0527
Seakeeper 35	35-213-0341	35-212-0381

TECHNICAL BULLETIN

GCM RECEPTACLE MODIFICATION



PRODUCT ALL SEAKEEPER SERIES MODELS



TOOLS

- Needle nose pliers (large)
- Wire cutters (Large, side-cutting)
- Utility knife



TECHNICAL BULLETIN

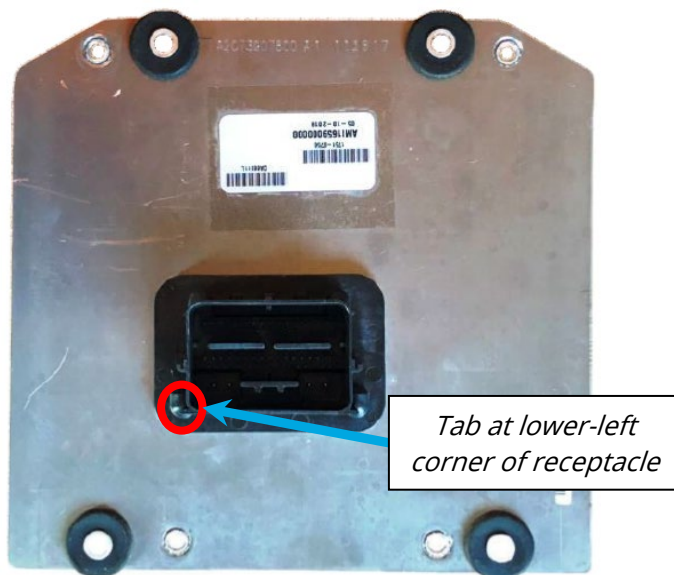
GCM RECEPTACLE MODIFICATION



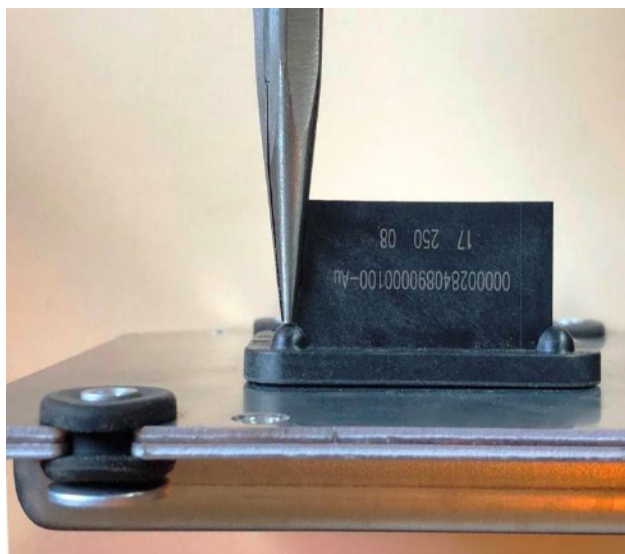
PRODUCT ALL SEAKEEPER SERIES MODELS

PROCEDURE

1. **IDENTIFY** location on GCM receptacle tab to be removed.



2. **BREAK OFF** full length of receptacle tab (key) using needle nose pliers.



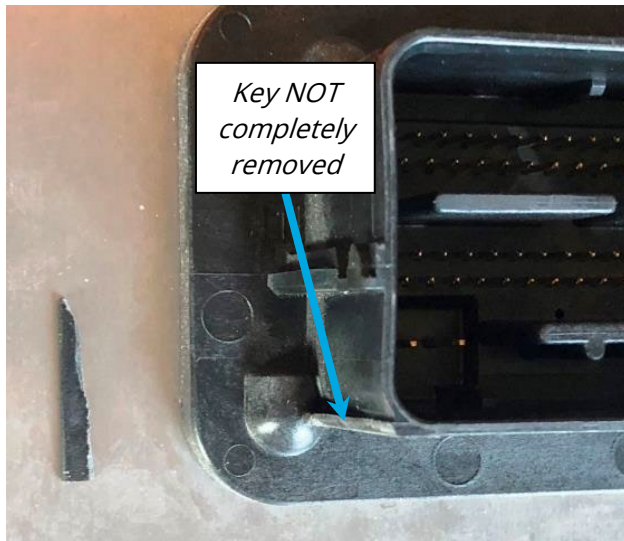
TECHNICAL BULLETIN

GCM RECEPTACLE MODIFICATION



PRODUCT ALL SEAKEEPER SERIES MODELS

3. **IF** tab (key) is NOT completely removed,
THEN CUT OFF remnant of tab (key) using side-cutting wire cutters.



4. **IF** tab (key) NOT completely removed,
THEN CUT OFF remnant of tab (key) with utility knife.



TECHNICAL BULLETIN

GCM RECEPTACLE MODIFICATION



PRODUCT ALL SEAKEEPER SERIES MODELS

5. **INSPECT** receptacle tab (key) for complete removal.



6. **IF** tab (key) NOT completely removed, **THEN CUT/SCRAPE** tab away with utility knife.

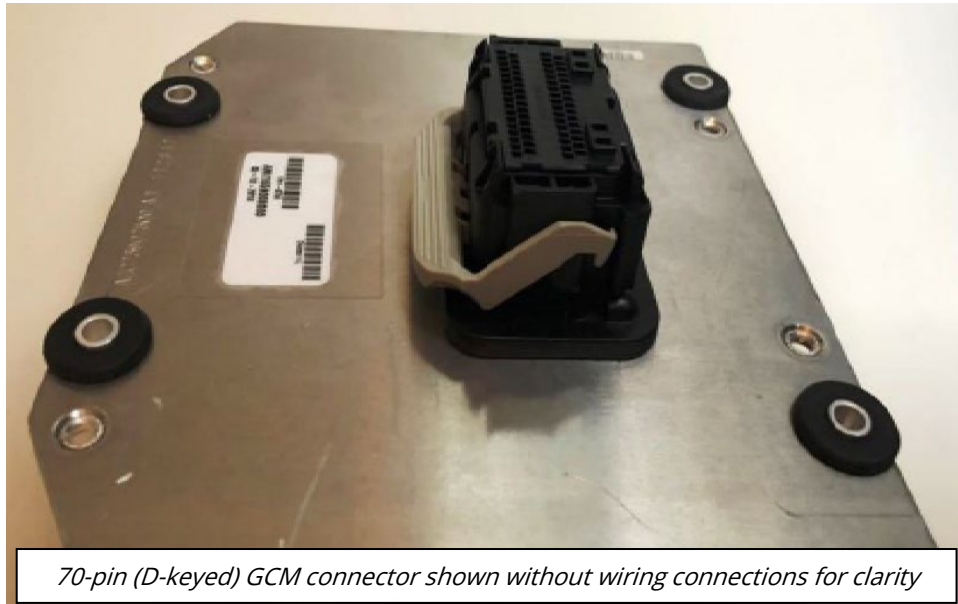
TECHNICAL BULLETIN

GCM RECEPTACLE MODIFICATION



PRODUCT ALL SEAKEEPER SERIES MODELS

- 7. **TEST FIT** D-keyed connector to modified GCM receptacle:
 - a. **ENSURE** D-keyed connector slides smoothly into place.
 - b. **ENSURE** cam lock fully engages.



***** **END** *****

Revision	Description	Approval	Date
1	Initial Release	K. Zervas	23APR2021
2	Provide serial range after restoration of Keying A supply	A Patricio	21OCT2022