

SIL

SERVICE INFORMATION LETTER



SIL 08-TR-20
June 24, 2020

SUBJECT: Initial Vehicle Intake Procedure for Odyne Hybrid Systems

MODELS AFFECTED: 1000/2000/3000/4000 Vehicles Equipped with Odyne Hybrid Systems.

Introduction: The primary function of this publication is to provide the Allison channel with information regarding the Odyne Hybrid Systems.

Recommended Practices and Contacts:

- Follow all Safety and High Voltage procedures supplied by Odyne in the associated Service Publications.
- Read, understand, and be familiar with Odyne's publications regarding Hybrid accessories.
- Keep up-to-date copies of Odyne publications on components incorporated in the Odyne Hybrid Systems.
- Download and install the latest version of Odyne's diagnostic software. Review any documentation included with the software.
- Perform basic component tests per Odyne's instructions during the troubleshooting process.

During the troubleshooting process, if you discover an issue with an Odyne component or need assistance with testing Odyne components, please contact Odyne. Contact information is provided on the following page.

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Please Note: Allison Transmission Service Information Letters are intended for use by professional, trained technicians, not for the "do-it-yourselfer." They are written to inform those technicians of conditions that may occur on some transmission models (or serial numbers ranges) or to provide information that could assist in the proper servicing of a specific Allison transmission. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, do not assume that the Service Information Letter applies to your transmission, or that your transmission has the condition described. Product evolution and information updates are inevitable. Please see your authorized Allison Transmission service dealer or distributor to understand if your particular transmission may benefit from the information contained within the Service Information Letter.

System	Date of Issue	Type of Manual
Odyne Hybrid Systems	9/1/20	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Procedure

Title: Initial vehicle Intake Procedure

Applies To: All Odyne Hybrid Systems

Instructions:

1. Identify the vehicle as an Odyne unit. There should be a tag on the driver's door that has the Odyne emblem. Also there will be a green display on the dash in the cab.
2. **Remove the Key from the ignition. This ensures the system is no longer active and the engine cannot start automatically.**
3. Always wait 2 minutes to allow the system to go through its shut down sequence.
4. Verify our display has shut down (no longer lighting up green).Reference Pic C below
5. Disable our system
 - a. Connect the service disable plug (pictures shown below)
 - b. Or know that our system is disabled with the key in the off position.
6. Confirm that our system is disabled by looking at our display. The display should either be blank (no longer green) or there should be a red light on.
 - a. Red light=system Disabled / No red light=system active
7. Know that with the Odyne system disabled the truck engine will not start on its own and neither will the PTO spin on its own.
8. Conduct hybrid repairs in a safe, dry, and appropriate place.
9. To contact Odyne for service information.
 - a. Via Phone
 - i. Regional Service Managers & Odyne Service Support # 262-953-6723
 - ii. Jared Ledoux - East Regional Service Manager direct # 262-442-8401
 - b. Via Email
 - i. servicesupport@odyne.com or Jared.Ledoux@Odyne.com
 - c. Via Web
 - i. www.odynesupport.com

The information in this Service Information is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise. The information in this Service Information was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.

Important Points to Remember:

1. Understand the system you are working on
2. Always test for voltage before working on a high voltage system. Never assume the absence of High Voltage.
3. Orange Cabling indicates High Voltage.
4. Odyne does use a HVIL (High Voltage Interlock Loop) system in our vehicles that will disable the system if it detects a fault with the High Voltage wiring.
5. If you need to perform a stall test please remove the whole driveshaft when isolating the noise
6. There is an operators manual in each truck that describes our system.

Deciphering what model Odyne unit you are working on:

1. The quickest way to tell what type of Odyne model unit you are working on is to look for our door tag.
2. The door tag will note the Odyne model, VIN, Shop number, and more.
3. Odyne currently has the following models
 - a. G2V1
 - b. G2V2
 - c. G2V3
 - d. G2V4
 - e. G2V5
 - f. G2V6
4. The model number will be located at top of the tag (photo shown below)

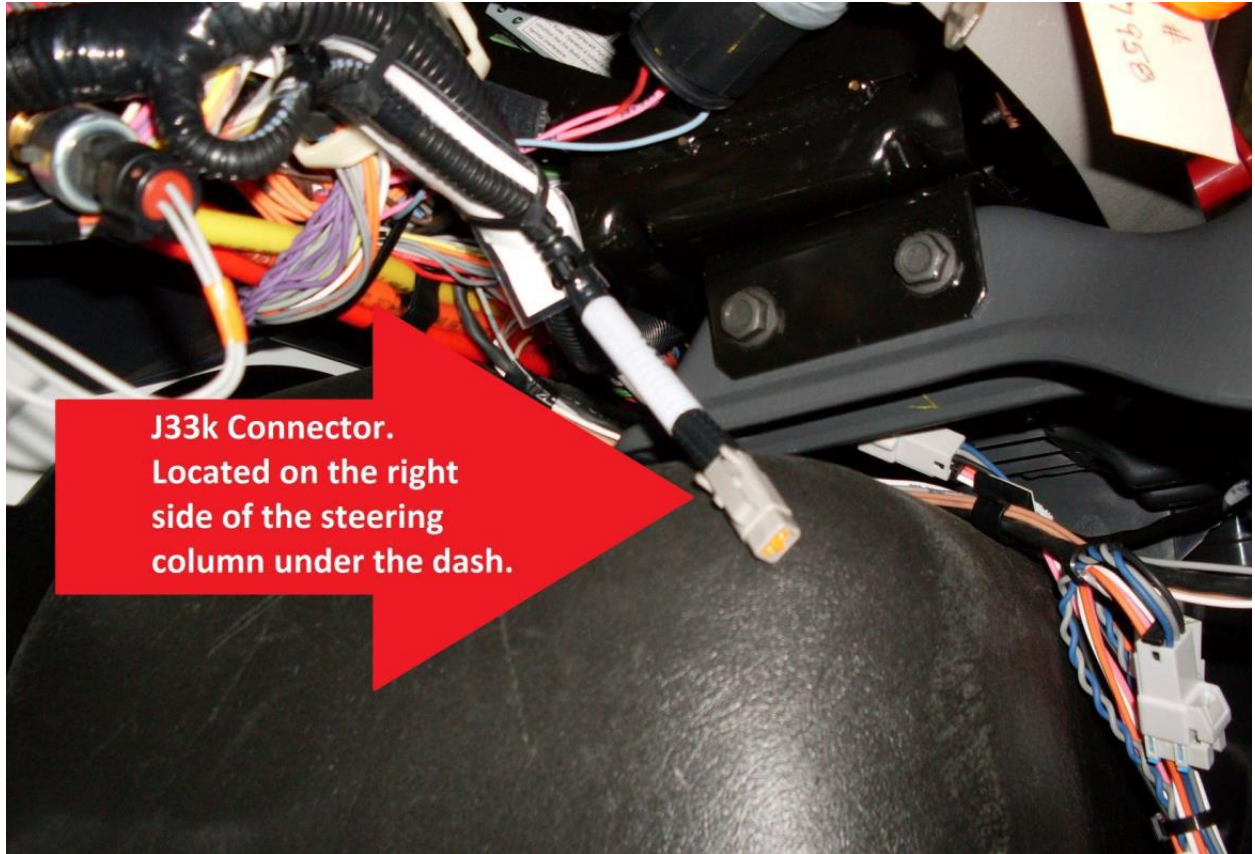
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5. Once you have deciphered which model you are working with you may now disable the Odyne system the proper way.
6. On G2V2 trucks and older you will need to use the J33K connector. See Pic A.
7. On G2V3 trucks or newer you will need to use the J20C (Odyne's data link connector). See Pic B.
8. Either method you will need to connected the female plug to its connector.
9. The female plug should be zip tied to the harness next to the connector.

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Pic A: On a G2V2 truck there is a 2 pin plug under that dash (shown below)



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Pic B: On a G2V3 truck and newer there is a female plug for our data connector J20C (shown below)



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Pic C: Odyne Display (Shown Below)



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