

TECHNICAL SERVICE BULLETIN

Group:	31-CLUTCH
Bulletin No:	SB-16-039
Issue Date:	12-20-2016
Reference:	HMM-161214-B1

DTC P206D SINGLE PLATE CLUTCH

SUBJECT VEHICLES: 14MY-17MY Conventional Trucks equipped with a manual transmission.

Note: This service bulletin is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

A manual transmission equipped vehicle may intermittently set a false P026D – All Injector (#1-#6) Injection Quantity and Timing DTC (Diagnostic Trouble Code) if the vehicle is equipped with a single plate clutch. This procedure includes a diagnostic and inspection procedure to determine if single clutch replacement with a dual plate clutch is necessary.

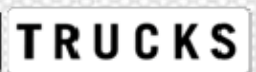
BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface.
- Place the gear shift lever in “Park” or “Neutral”.
- Apply the parking brake firmly and confirm parking brake activation.
- Turn off the engine and remove the key from the ignition switch.
- Always wear safety glasses or goggles to protect your eyes.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

PARTS:

DUAL PLATE CLUTCH PARTS

PART NUMBER	PART DESCRIPTION	QUANTITY
S3120-02080	Manual Adjust Dual Plate Clutch SAS1402	See Step 4
S3120-02090	Self Adjust Dual Plate Clutch SOLO1402	See Step 4
SZ109-09004	Bolt – Dual Plate Clutch Cover	8
SL511-01025	Lock Washer	8

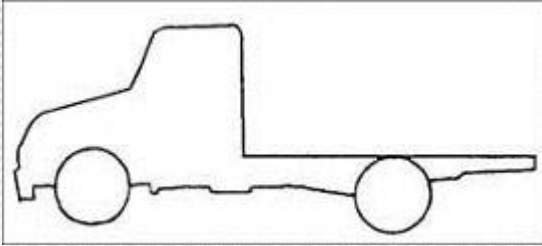


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1. Park the vehicle on a level and solid surface.



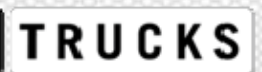
2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



4. Chock all of the wheels.



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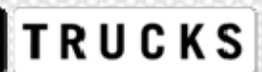
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INSPECTION PROCEDURE:

1. Using the Hino DXII, verify that a P026D DTC is the only DTC present in the vehicle. If other DTC's are present, refer to the troubleshooting section of the Hino Workshop Manual for diagnosis.



2. If a P026D is the only DTC present, remove the inspection cover from the underside of the clutch housing to determine if a single or dual plate clutch is present.

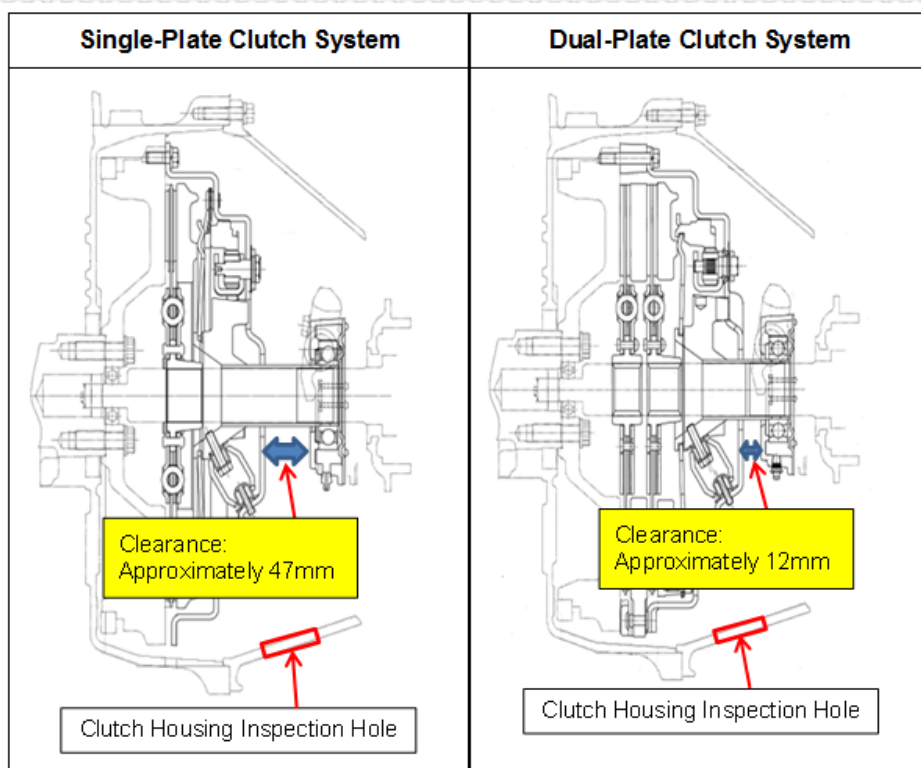


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3. Through the clutch housing inspection hole, visually check the clearance between the release bearing and the clutch cover assembly as shown in the illustration below.



4. If a single plate clutch is installed in the vehicle, it will be necessary to replace this clutch with a dual plate clutch. Check for the presence of a manual adjuster on the clutch cover assembly to determine if a manually adjusted or self-adjusting replacement clutch is required. Proceed to step 5. If a dual plate clutch is installed, reinstall the inspection cover and torque the fasteners to the specified torque. Refer to the troubleshooting section of the Hino Workshop Manual for diagnosis.

Specified Torque: 78 lb-in (8.8Nm)



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5. Refer to the parts chart at the beginning of this document to determine the correct dual plate clutch part number based upon the inspection in step 4. New clutch cover bolts and lock washers will be required for this installation.

6. Refer to the “CLUTCH MAIN UNIT (EATON 1402) CL02-002” section of the Hino Workshop Manual. Replace the single plate clutch with the dual plate clutch following the Hino Workshop Manual procedures.

CLUTCH MAIN UNIT (EATON 1402)		CL02-002
CLUTCH ASSEMBLY (EATON SAS1402).....CL02-2		
DATA AND SPECIFICATIONS	CL02-2	
DESCRIPTION	CL02-2	
TROUBLESHOOTING.....	CL02-3	
SPECIAL TOOL	CL02-5	
COMPONENT LOCATOR.....	CL02-6	
OVERHAUL	CL02-7	
CLUTCH ASSEMBLY (EATON SOLO1402).....CL02-16		
DATA AND SPECIFICATIONS	CL02-16	
COMPONENT LOCATOR.....	CL02-16	
OVERHAUL	CL02-17	
INSPECTION AND REPAIR	CL02-27	

7. Using the Hino DXII, delete all DTCs from the vehicle.



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FINAL INSPECTION

1. To complete this TSB review and confirm the following:
 - The correct dual plate clutch was installed in the vehicle
 - All fasteners have been properly torqued
 - All DTCs have been cleared from the vehicle

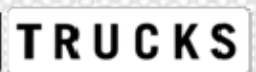
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CLAIM APPLICATION:

** Reimbursable in accordance within the terms and policies of the Hino Truck limited warranties.*

Clutch Replacement:

- a) Labor Charge: 4.5 hours
- b) Warranty Code: 8631147
- c) Trouble Code: 40
- d) Operation Code: 21202ARE
- e) Part Number: 9999999999



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