



## **REPAIR AND MAINTENANCE MODULE 1 INDEX**

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**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK1**

This example demonstrates how a technician uses the word search and vehicle LEA number to look up and print out procedures and parts for a known problem.

**TASK 1: REPLACE THE AIR CONDITIONING COMPRESSOR ON LEA NUMBER 6002-4003. WHAT IS THE INTERNATIONAL REPLACEMENT PART NUMBER?**


**TO IDENTIFY THE CORRECT VMRS CODE**

*Click* **TurboSearch+** 

*Enter* THE LETTERS **COMP** IN THE PART NUMBER WINDOW OR THE WORD **COMPRESSOR** AND **PRESS ENTER**.

*Click* **INTERNATIONAL TRUCK AND ENGINE CORPORATION**.

*Click* **VMRS CODE 001001002** IN THE VEHICLE SYSTEMS WINDOW.

**Note:** YOU WILL USE THE FIRST SIX DIGITS OF THIS NUMBER IN THE **TurboDoc**  DRILL-DOWN AT THE BOTTOM OF THIS PAGE.

*Double Click* IN THE **VEHICLE SYSTEMS WINDOW** THE VMRS CODE **001001002**.

*See* **EXPLANATION OF THE VMRS CODE: COMPRESSOR ASSEMBLY – AIR CONDITIONING**

*Double Click* TO CLOSE. **YOU MUST CLOSE THE POP-UP IN ORDER TO PROCEED.**

**CONTINUED**

## TO LOOK AT THE SERVICE MANUAL FOR THE AIR CONDITIONING COMPRESSOR

Click TurboDoc 

Key-In NUMBER '6002', IN THE LEA NUMBER WINDOW. THEN PRESS ENTER.

See ALL LEA NUMBERS BEGINNING WITH '6002'.

Click SCROLL DOWN ARROW

Click 6002-4003.

Key-In 001 IN **VEHICLE SYSTEM** WINDOW.


Click 001001 AIR CONDITIONING ASSEMBLY.

**Note:** ALL OF THE MANUALS ASSOCIATED WITH **VMRS 001001 AIR CONDITIONING ASSEMBLY** ARE LISTED IN THE **IMAGE DESCRIPTION** WINDOW.

Click SCROLL ARROW DOWN.

Double Click SERVICE-CAB, AIR CONDITIONING - HEATER SYSTEM.

See INDEX OF SERVICE INSTRUCTIONS. CLICK ON ANY SUBJECT OR PAGE . THIS WILL OPEN THE TABLE OF CONTENTS FOR FURTHER VIEWING.

Click UPPER RIGHT  IN ADOBE ACROBAT TO CLOSE.

## TO IDENTIFY THE CORRECT INTERNATIONAL REPLACEMENT PART NUMBER FOR THE COMPRESSOR AND TO PRINT THE ILLUSTRATION

Click SCROLL ARROW UP IN THE **IMAGE DESCRIPTION** WINDOW.

Double Click PARTS-EATON CLIMATE CONTROL . . . CODES 16WKB, 16944

See PARTS ILLUSTRATION.

CONTINUED

Click PRINT ICON  IN ORDER TO PRINT PARTS ILLUSTRATION.

**Note:** IT IS IMPORTANT TO **BE SPECIFIC** ABOUT THE **NUMBER OF PAGES** TO PRINT. DO THIS IN THE **PRINT RANGE** AREA BY CLICKING **ALL, CURRENT PAGE OR PAGES FROM.**


Click UPPER RIGHT X  IN THE PRINT BAR TO CLOSE.

Scroll TO PAGE TWO.

Click THE  ICON IN THE TOOL BAR MENU.

Click PART NUMBER **2000820C91** TO HIGHLIGHT

*Right Click* TO COPY

Click UPPER RIGHT X  IN ACROBAT TO CLOSE.

Click **TurboSearch+** 

Click  TO CLEAR THIS SCREEN.

*Paste* PART NUMBER **2000820C91** INTO THE PART NUMBER **WINDOW.**

Click SEARCH BUTTON,

See THE CUSTOMIZED DETAILS REGARDING THIS **INTERNATIONAL REPLACEMENT PART NUMBER.**



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 2**

**TASK 2: A BULLETIN TSI-96-12-31 HAS BEEN ISSUED BY INTERNATIONAL FOR THE DT-466 ENGINE. FIND THE BULLETIN AND THE LOCATION OF THE ENGINE IDENTIFICATION NUMBER.**

**TO FIND THE BULLETIN**

Click FLEETCROSS TURBODOC .

Key-In LEA EQUIPMENT NUMBER 6033-4002, THEN PRESS THE ENTER KEY.

Click DOWN ARROW  IN VEHICLE SYSTEM WINDOW.

Click BULLETINS - ALL MAKES.

Double Click BULLETINS-ALL MAKES 1997-2000.

Click INTERNATIONAL


Click DT466.

Click ENGINE.

Click TSI-96-12-31.

See **THE PART NUMBERS AFFECTED**

Click UPPER RIGHT X  IN ADOBE ACROBAT TO CLOSE.

**Note** THIS BULLETIN REFERS TO CERTAIN ENGINE SERIAL NUMBERS. WE CAN USE TURBODOC  TO DETERMINE WHERE TO READ THE SERIAL NUMBER ON THE ENGINE.

**CONTINUED**

## TO FIND THE LOCATION OF THE ENGINE SERIAL NUMBER


*Click* DOWN ARROW BUTTON  IN VEHICLE SYSTEM WINDOW.

*Click* UP ARROW BUTTON  IN VEHICLE SYSTEM DROP DOWN WINDOW.

*Click* ALL MANUALS

*Double Click* SERVICE-DT-466 OPERATIONS AND MAINTENANCE.

*Click* SECTION 1  – GENERAL INFORMATION.

*Click* PAGE 7  – IDENTIFICATION (LOOK FOR PAGE 7 UNDER INDEX HEADING SECTION 1).

*Click* NEXT PAGE BUTTON  IN THE TOOL BAR.

*See* SECTION 1 PAGE 8 ENGINE IDENTIFICATION

*Click* NEXT PAGE BUTTON  IN THE TOOL BAR.

*See* SECTION 1 PAGE 9 ENGINE AND ACCESSORY NAME PLATESLOCATIONS **FIGURE 7.**

*Click* UPPER RIGHT X  IN ACROBAT TO CLOSE.

*Click* CLEAR THIS SCREEN  .



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 3**

**TASK 3: FIND THE INSTRUCTIONS FOR THE REMOVAL  
AND INSTALLATION OF THE RADIATOR GRILLE  
FOR LEA NUMBER 6064-3004.**

**TO FIND THE REMOVAL AND INSTALLATION INSTRUCTIONS FOR THE  
RADIATOR GRILLE.**

*Click* TurboDoc 

*Key-In* LEA NUMBER 6064-3004 AND PRESS ENTER.

*Click* SCROLL DOWN ARROW  IN VEHICLE SYSTEM  
WINDOW.

*Click* **002001 --- GRILLE - RADIATOR.**

*Double Click* **SERVICE-BODY PANELS, FRONT END** IN IMAGE  
DESCRIPTION WINDOW.

*Click* UNDER **REMOVAL AND INSTALLATION INDEX**  
HEADING, SELECT  **Radiator Grille (PAGE 01-02-2)**

*See* **REMOVAL AND INSTALLATION** DETAILS.

*Click* UPPER RIGHT  IN ACROBAT TO CLOSE.

*Click* CLEAR THIS SCREEN .



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 4**

**TASK 4: FIND THE REPAIR INSTRUCTIONS FOR REPLACING THE STARTER MOTOR FOR A 1996 FORD F150 (LEA NUMBER 6051-3002).**

**TO FIND THE REPAIR INSTRUCTIONS FOR THE STARTER MOTOR**

*Click* TurboDoc .

*Key-In* LEA NUMBER 6051-3002 AND PRESS **ENTER**.

*Click* SCROLL DOWN ARROW  IN VEHICLE SYSTEM WINDOW.


*Click* **032002 --- STARTER – ELECTRIC.**

*Double Click* **SERVICE-STARTING SYSTEM** IN IMAGE DESCRIPTION WINDOW.

*Click* LOOK FOR **REPAIR INSTRUCTIONS FOR REPLACING THE STARTER MOTOR** UNDER INDEX HEADING **REMOVAL AND INSTALLATION.**

*Click*  STARTER MOTOR (PAGE 03-06-23)

*See* REMOVAL AND INSTALLATION INSTRUCTION DETAILS.

*Click* UPPER RIGHT X  IN ACROBAT TO CLOSE.

*Click* CLEAR THIS SCREEN .



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 5**

**TASK 5: FIND THE ACDELCO PART NUMBER FOR THE STARTER FOR LEA NUMBER 6002-8401.**

**TO FIND THE ACDELCO PART NUMBER USING TurboDoc .**

*Key-in* **LEA** NUMBER 6002-8401 AND PRESS THE ENTER KEY.

*Key-in* 032002 IN THE VEHICLE SYSTEM WINDOW

*Click* STARTER - ELECTRIC ---032002

*Double Click* PARTS – G STARTER MOTOR (L65/6.5F)

*See* PART NUMBER 10465054 IS THE **GENERAL MOTORS NUMBER.**

*Note* PART NO. 323-447 IN PARENTHESES IS THE **AC-DELCO NUMBER.**

*Click*  ON UPPER RIGHT CORNER OF SCREEN TO **CLOSE ACROBAT.**

**TO FIND THE AC DELCO NUMBER USING TurboSearch+ .**

*Click* **TurboSearch+** 

*Key-In* THE ABBREVIATION STARTER

*Click* GENERAL MOTORS CORPORATION

*Double Click* **VMRS** CODE **032002001** IN VEHICLE SYSTEMS WINDOW.

*See* EXPLANATION OF CODE: **MOTOR ASSEMBLY – STARTING**

**CONTINUED**

Double Click TO **CLOSE**.

*Scroll* THE DOWN ARROW BUTTON  IN THE APPLICATION DESCRIPTION WINDOW UNTIL YOU ARRIVE AT **032-002-001 STARTER, 99, G2, 3 6.5F (L65) . . . FIGURE 4-C11**


*Double Click* TO OPEN THIS APPLICATION.

See FIGURE 4-C11 REFERENCE. THIS WILL BE USED BELOW

*Double Click* TO CLOSE

*Scroll Down* **FIGURES WINDOW** UNTIL YOU SEE **GM GVAN FIGURE 4-C11**.

*Double Click* TO OPEN.

See SAME PARTS PAGE AND PART NUMBERS (GM 10465054 AND AC DELCO 323-447) AS FOUND ABOVE USING **TurboDoc** .

*Click* CLEAR ALL SCREENS .





**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 6**

**TASK 6: FIND THE PART NUMBER FOR THE ELECTRIC TACHOMETER TRANSMITTER ON A 1995 INTERNATIONAL TRUCK. THE LEA NUMBER IS 6002-4003. WHAT IS THE 9 DIGIT VMRS CODE?**

**TO FIND THE PART NUMBER FOR THE ELECTRICAL TACHOMETER**

Click **TurboDoc** .

Key-in LEA NUMBER **6002-4003**.

Key-in **TACHOMETER** IN THE VEHICLE SYSTEM WINDOW AND PRESS ENTER

Click TACHOMETER --- 051001

Double Click PARTS – TRANSMITTER, ELECTRICAL TACHOMETER/SPEEDOMETER

See ILLUSTRATION (FIGURE 10-004)

Click  **NEXT PAGE**

See PART NUMBER **557031C91** FOR THE **TACHOMETER**

**TO FIND THE 9 DIGIT VMRS CODE FOR THE ELECTRICAL TACHOMETER**

Click TurboSearch+ .

Key-in **TACHOMETER** IN THE PART NUMBER WINDOW AND PRESS ENTER


Click **INTERNATIONAL TRUCK AND ENGINE CORPORATION.**

CONTINUED

Note THERE ARE **5 VMRS CODES LISTED** IN THE VEHICLE SYSTEM WINDOW

*Open* EACH VMRS CODE UNTIL YOU FIND THE CODE THAT CONTAINS THE DESCRIPTION: **SENDER – ELECTRIC TACHOMETER.**

*See* **VMRS 051001009**

Note **DO NOT ERASE THE TURBODOC SCREEN** . IT WILL BE USED IN THE FOLLOWING **TASK 7.**



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 7**

**TASK 7: FIND THE MANUAL PROGRAMMING INSTRUCTIONS FOR THE SAME TACHOMETER AS IN TASK 6.**

**TO FIND THE MANUAL PROGRAMMING INSTRUCTIONS**


*Click* TurboDoc .

*Note* RETAIN TurboDoc  LEA NUMBER INFORMATION ALREADY ESTABLISHED IN TASK 6 (6002-4003).

*Double Click* SERVICE – ELECTRICAL INSTRUMENTS . .

*Click*  SECTION 5.4, PAGE 17

*See* MANUAL PROGRAMMING INFORMATION FOR THE TACHOMETER

*Click* UPPER RIGHT  IN ACROBAT TO CLOSE.

*Click*  CLEAR THIS SCREEN.





**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 8**

**TASK 8: FIND THE SERVICE INSTRUCTIONS FOR A SPICER 14 INCH 2-PLATE CLUTCH USING LEA NUMBER 6033-4002.**

**TO FIND SERVICE INFORMATION**

*Click* TurboDoc .

*Key-in* LEA NUMBER **6033-4002**

*Key-in* **CLUTCH** IN THE VEHICLE SYSTEM WINDOW

*Click* **CLUTCH ASSEMBLY --- 023002**

*Double Click* SERVICE CLUTCH ... TWO PLATE PULL-TYPE CLUTCH

*See* **SERVICE INSTRUCTIONS FOR SPICER 14 INCH 2-PLATE CLUTCH**

*Click* UPPER RIGHT  IN AROBAT TO CLOSE.

*Click*  TO CLEAR THIS SCREEN.





**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK 9**

**TASK 9: WHAT ARE THE MAINTENANCE INSTRUCTIONS FOR MEASURING LOW AND HIGH IDLE FOR LEA NUMBER 6064-4005?**

**TO FIND THE INSTRUCTIONS FOR MEASURING LOW AND HIGH IDLE.**

*Click* **TurboDoc** .

*Enter* **6064-4005.**

*Click* **ALL MANUALS.**

*Double Click* **SERVICE-DT-466 OPERATIONS AND MAINTENANCE**

*Click* **MEASURE LOW AND HIGH IDLE.**

*See* **INSTRUCTIONS FOR MEASURING LOW AND HIGH IDLE.**

*Click* **UPPER RIGHT**  **IN ACROBAT TO CLOSE.**

*Click*  **CLEAR THIS SCREEN.**



**FLEETCROSS TRAINING  
MODULE 1  
REPAIR AND MAINTENANCE  
TASK10**

**TASK 10: REPLACE THE AIR CONDITIONING COMPRESSOR  
SOCKET ASSEMBLY ON LEA NUMBER 6064-3004. WHAT  
IS THE FORD REPLACEMENT PART NUMBER?**

**TO IDENTIFY THE CORRECT FORD REPLACEMENT PART NUMBER  
FOR THE SOCKET ASSEMBLY**

*Click* TurboDoc 

*Key-In* NUMBER '6064', IN THE LEA NUMBER WINDOW. THEN  
PRESS ENTER.

See ALL LEA NUMBERS BEGINNING WITH '6064'.

*Click* SCROLL DOWN ARROW

*Click* **6064-3004**.

*Key-In* 001 IN **VEHICLE SYSTEM** WINDOW.

*Click* 001001 AIR CONDITIONING ASSEMBLY.

**Note:** ALL OF THE MANUALS ASSOCIATED WITH **VMRS 001001  
AIR CONDITIONING ASSEMBLY** ARE LISTED IN THE **IMAGE  
DESCRIPTION** WINDOW.

*Double Click* PARTS-BEZELS AND CONTROLS-INTEGRAL-PAGE  
A, F150/350, F (SUPERDUTY).

See PARTS ILLUSTRATION AND BASE PARTS NUMBERS.

*Click* PRINT ICON  IN ORDER TO PRINT PARTS  
ILLUSTRATION.

**CONTINUED**

**Note:** IT IS IMPORTANT TO **BE SPECIFIC** ABOUT THE **NUMBER OF PAGES** TO PRINT. DO THIS IN THE **PRINT RANGE** AREA BY CLICKING **ALL, CURRENT PAGE OR PAGES FROM.**


*Click* UPPER RIGHT X  IN THE PRINT BAR TO CLOSE.

*Scroll and See* BASE PART NUMBER **19N236**. THIS IS THE FORD BASE PART NUMBER FOR THE AUXILIARY ELECTRIC POWER SOCKET ASSEMBLY.

*Click* THE  ICON IN THE TOOL BAR MENU.

*Click* BASE PART NUMBER **19N236** TO HIGHLIGHT THE NUMBER

*Click* TO **COPY**

*Click* UPPER RIGHT X  IN ACROBAT TO CLOSE.

*Click* **TurboSearch+** 

*Click*  TO CLEAR THIS SCREEN.

*Paste* BASE PART NUMBER **19N236** INTO THE PART NUMBER **WINDOW**.

*Click* SEARCH BUTTON,

*Scroll* APPLICATION DESCRIPTION WINDOW TO FIND **SOCKET, 96, F150, SOCKET ASY. (AUXILIARY ELECTRIC POWER), F4TZ-19N236-A.**

*See* THE COMPLETE FORD PART NUMBER: **F4TZ-19N236-A.**

*Click* PART NUMBER: **F4TZ-19N236-A** IN THE PRIMARY CROSS REFERENCE **PARTS NUMBER WINDOW**.

*Right Click* **POST TO TURBOSEARCH**

*See* THE CUSTOMIZED DETAILS REGARDING THIS **FORD REPLACEMENT PART NUMBER**.