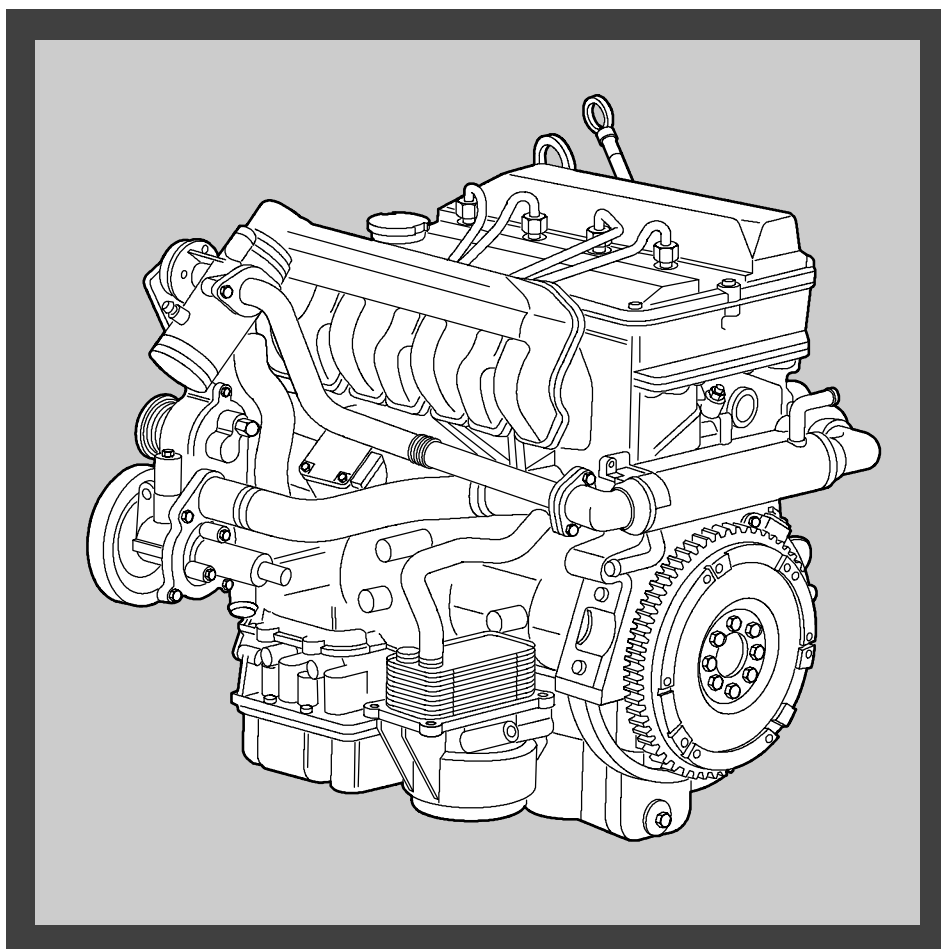


Technical Service Training

Ford Transit

New Product Introduction TN7002094H

2.4L DuraTorq Turbocharged Diesel Engine



Student Information



CG 7773/S en 10/1999

Starting with the 2000 ½ model year the Ford Transit model range is being superseded by completely revised vehicles. These are new technical developments with some modified components and systems from existing Ford vehicles.

Since its introduction in 1965, the Ford Transit concept has been continuously developed technically and economically, making the Transit the leading light commercial vehicle in Europe.

The Transit model range has been enlarged further by one-ton and two-ton variants with three different wheelbases and body heights, a large number of door combinations and additional technical features such as a navigation system and parking aid. Now Ford offers the customer a large number of ways in which the Ford Transit can be tailored even better to his individual requirements.

The engine range for the Ford Transit has been completely revised and for the first time includes a completely new 16 valve turbocharged direct injection diesel engine designed specifically for the Ford Transit delivering a power output from 75 to 120 PS. The proven 2.3L DOHC 16V petrol engine from the Scorpio/Galaxy will be an additional engine variant.

The new Ford Transit is being introduced in two stages: the first stage with the two-tonner exclusively with diesel engines and rear wheel drive, the second stage with the one-tonner and petrol engines for all models. For the first time a Transit will be available with front wheel drive and a pneumatic rear suspension.

This New Product Introduction publication describes the new one-ton Ford Transit with all the systems and components while a second New Product Introduction publication will present the one-ton Ford Transit (early in the year 2000).

This Student Information publication is arranged in lessons and designed as a self-learning medium in line with the new global Ford training concept.

Each lesson starts with a list of the objectives to be achieved in the course of the lesson and ends with test questions to check learning progress. The answers to these are to be found at the end of the Student Information publication.

Please remember that our training literature has been prepared solely for FORD TRAINING PURPOSES.

Repair and adjustment operations **MUST** always be carried out according to the instructions and specifications in the workshop literature.

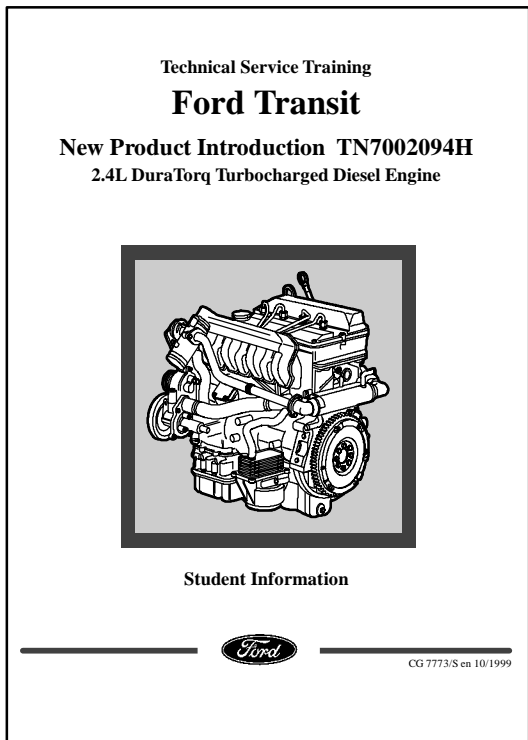
Please make extensive use of the training courses offered by Ford Technical Training Centers to gain extensive knowledge in both theory and practice.

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Transit V184/5



- New Product Introduction TN7002086H
“Ford Transit - Overview”, CG 7765/S
- New Product Introduction TN7002087H
“Ford Transit - Body”, CG 7766/S
- New Product Introduction TN7002088H
“Ford Transit - Front Axle”, CG 7767/S
- New Product Introduction TN7002090H
“Ford Transit - Brakes”, CG 7769/S
- New Product Introduction TN7002091H
“Ford Transit - MT-75 Transmission”,
CG 7770/S
- New Product Introduction TN7002093H
“Ford Transit - Vehicle Electrical Systems and
Air Conditioning”, CG 7772/S

Video
“Ford Transit”, CG 7826/V

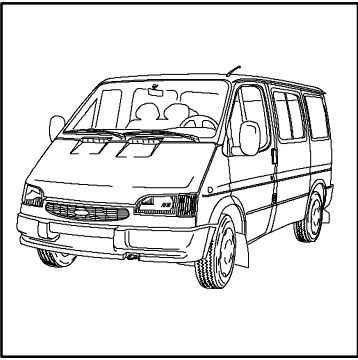
- Workshop literature (for example)
- Repair procedures/TIS
 - Diagnosis and Testing manual
 - Wiring Diagrams
 - Technical Service Bulletins
 - Parts Microfiche/Microcat
 - Technical Data book


Transit VE 83

Technical Service Training

Delegate Information
 CG 7653S en 9/96

New Product Introduction	00/284
Transit Diesel Injection Systems	





New Product Introduction
Transit '95, CG 7537

Technician Product Training
Transit '92, CG 7450

MT-75 5-speed Transmission, CG 7511

Diesel Injection, Service Checks and Adjustments, CG 7506

Diesel Engine Management, CG 7465

EEC V and On-Board Diagnostics, CG 7543

Diesel Injection Systems, CG 7453

Vehicle System Test Manuals
Wiring Diagrams

Service Microfiche:
- Transit

Parts Microfiche:
- Transit
- Engine
- Transmission

New Product Introduction - Transit:

- Body, CG 7643
- Front Axle and Steering, CG 7647
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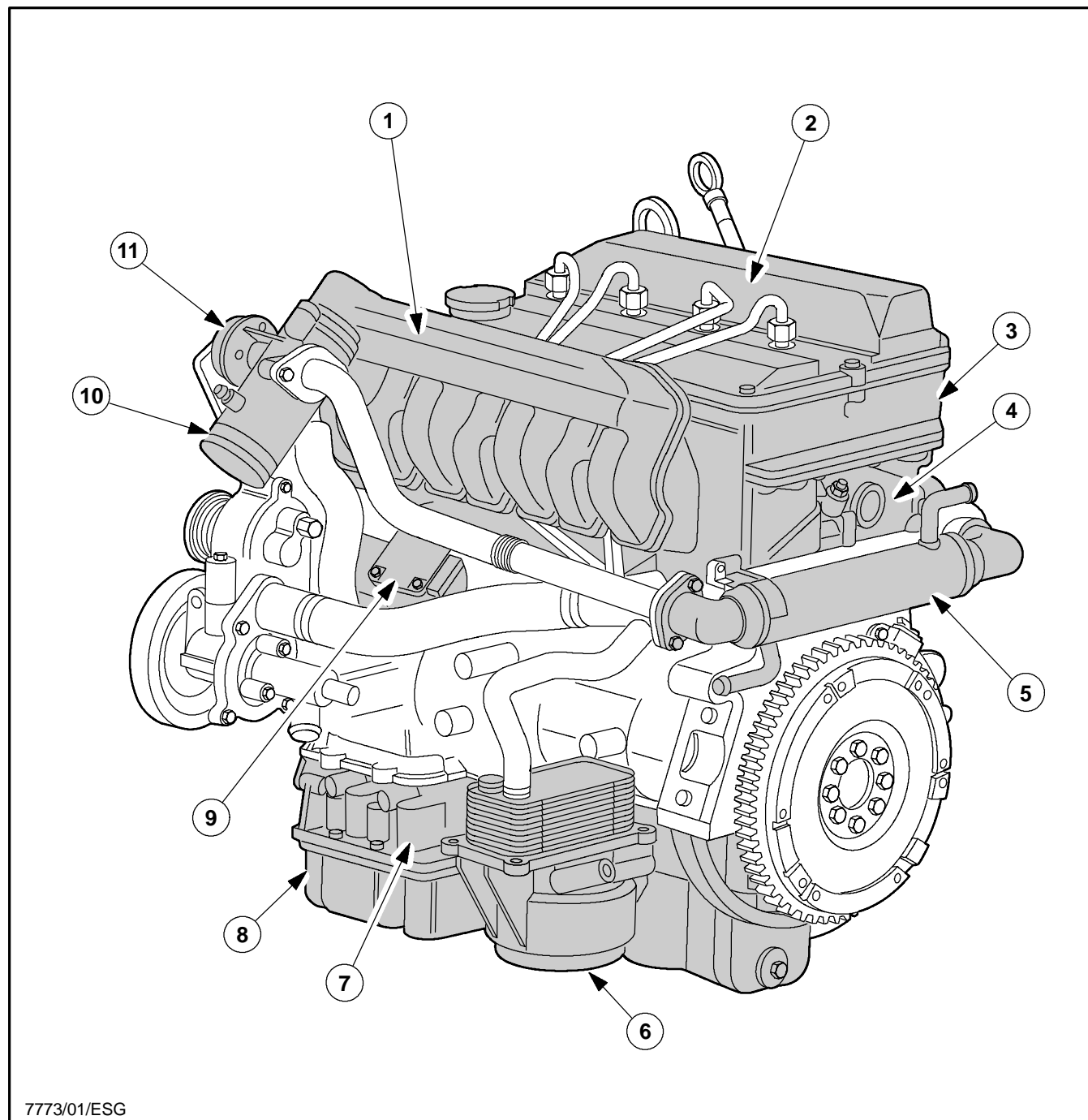
Lesson 1 - General

Objectives

On completing this lesson, you will be able to:

- locate the main components of the engine
- name the essential new features of the engine
- explain the basic characteristics of the engine

2.4L DuraTorq turbocharged diesel engine - overview



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- | | |
|---|--|
| 1 Intake manifold | 6 Oil cooler/oil filter |
| 2 Cylinder head cover | 7 Stiffening frame |
| 3 Camshaft carrier | 8 oil pan |
| 4 Cylinder head | 9 Fully electronic fuel injection pump |
| 5 Water-cooled EGR cooler (not on
75 PS variant) | 10 EGR connector |
| | 11 EGR valve |