

PRODIAGS

INFOLETTER

For
Autotech
Professionals

Up to Speed on Automatic Transmissions

For the past 2 decades, different types of “automatic” transmissions have gotten more and more common, many cars come with DCT:s, for example, but traditional automatic transmissions are not dead yet. Due to modern development, they have caught up with other transmissions in efficiency, and the size has been reduced even though the gear count has increased.



For mechanics and technicians to keep up with the development, they need to refresh their knowledge with technical training on automatic transmissions. This is why we still need technical courses for technicians on this subject.

In this course, or training module as we call it, we look into the function of the torque converter, planetary gear sets as well as the clutches and brakes. We also take a look at the transmissions' electrohydraulic control, and different pressures, e.g. line pressure, as well as all the components of the transmission.

To learn more about automatic transmissions' operation and troubleshooting, [CLICK HERE](#) to check it out in our training shop.

Module main points:

Presentation of different transmissions | Structure and gear ratios of an automatic transmission | Torque converter, operation and hydraulic control | Planetary gear sets and operation | Planetary gear sets' clutches and brakes | Hydraulic pressure regulation levels and shifting pressure control | Other components of the hydraulic control system | The transmission's control unit and shifting programme | Electrohydraulic control | Speed, temperature and pressure | Driver's functions and transmission control

How the Training Modules are Made

Creating the Training Modules is a long and intensive process, which can be described in 3 steps.

1. The subject is decided based on current topics, customer feedback and requests and there's no point in denying that our own interests also affect this choice.
2. One of our trainers starts to dig deep into the subject. This might include crawling through manufacturer training material, speaking to experts, pulling components apart to learn how they work, etc. After this, a rough plan of the module is made, which is then "pressure tested" to see how it suits different uses (workshop training, schools, self-learners, etc.)
3. After passing the "pressure test", the module is fine-tuned by our whole content team until it's ready, and everybody's special expertise is used. To make the final material, image and video shooting as well as editing, html coding, is required. This also includes creating our additional parts to the modules (printable material, assessment and final exam).

This process sounds pretty straight forward, but takes months, sometimes even over a year. When the module is published, the translation process begins. This is done by native speakers working in the automotive industry, to ensure that it's correct, both language-wise and technically.

To be fair, there might be easier ways to earn your bread, so to speak, but our passion for automotive technology and hearing our customers' positive feedback makes it all worth it.

Did this wake any thoughts or wishes on subjects or languages? Don't hesitate to contact us at sales@prodiags.com, we are more than happy to hear from you.

Interested in a New Business Opportunity?

Are you selling tools or diagnostic equipment, or do you have contacts in the automotive field where you live? Partner up with us!

Prodiags is always looking for opportunities to find new partners and expand our international network of sales partners. As a Prodiags sales partner, you can also help us with translations to a new language and bring something completely new to your area, in your own language.



At the moment we have partners in many countries and cities, from Finland to Ireland to South Korea to the United Arab Emirates.

Don't hesitate any longer, if you are the least bit interested in providing high quality online training to your customers, book a video meeting and become an automotive online training trailblazer.

Read more and book demo [HERE](#)

Best regards

Rudi Steiner
CEO

SINCE LAST INFOLETTER

- New Finnish modules released: [Automaattivaihteistot](#) | [Auton ruosteenesto](#)
- New Swedish modules released: [Elektronik](#) | [Däcktrycksövervakningssystem - TPMS](#)
- New German modules released: [Grundlagen der Fehlersuche in der Automobilelektrik](#) | [Workshop Abfallsortierung und Wiederverwertung](#)

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