

Basics of Automotive A/C-Systems



Course Schedule - Calendar week xx/20xx

Training leadership: N. N.

1. Day

| | | | |
|---------|------------------|--|---|
| 08:45 | N. N. | Hand-over of course documents | |
| 09:00 | N. N. | Welcome, general remarks | |
| subseq. | N. N. | Basics of thermodynamics | |
| 09:50 | Coffee break | | |
| 10:10 | N. N. | Structure and operational principles of automotive A/C-Systems | |
| 11:45 | Lunch break | | |
| 12:35 | N. N. | Superheat, subcooling | |
| 13:55 | Coffee break | | |
| 14:05 | | <i>Laboratory exercise group 1</i> | <i>Laboratory exercise group 2</i> |
| | N. N. | Installation of an automotive A/C-System | Dynamics of the refrigerant cycle (block valve) |
| | | <i>10 minutes coffee break 14:50 to 15:20</i> | |
| 16:30 | End of first day | | |

2. Day

| | | | |
|---------|------------------------------|---|---|
| 08:00 | N. N. | Discussion of homework, open questions | |
| subseq. | N. N. | Components of automotive A/C-Systems (compressor, evaporator, condenser, expansion valve) | |
| 09:50 | Coffee break | | |
| 10:10 | N. N. | Components of automotive A/C-Systems (compressor, evaporator, condenser, expansion valve) | |
| 11:45 | Lunch break | | |
| 12:35 | N. N. | System variants of automotive A/C-Systems, other components | |
| 13:40 | Coffee break | | |
| 13:50 | | <i>Laboratory exercise group 2</i> | <i>Laboratory exercise group 1</i> |
| | N. N. | Installation of an automotive A/C-System | Dynamics of the refrigerant cycle (block valve) |
| | | <i>10 minutes coffee break 14:50 to 15:20</i> | |
| 16:15 | Discussion of open questions | | |
| 16:30 | End of training course | | |

After a maximum of 50 minutes theory a 5-minute break is provided.