

NORTHWEST TECH

NORTHWEST KANSAS TECHNICAL COLLEGE

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KANSAS INSTITUTE OF DIESEL TECHNOLOGYSM TOOL LIST 2018 - 2019

MINIMUM REQUIRED TOOL LIST / Including but not limited to the following:

Rev. 01/03/17

- 1/2" drive universal joint

1/4" DRIVE

- 1/4" drive socket, 1/4"
- 1/4" drive socket, 9/32"
- 1/4" drive socket, 5/16"
- 1/4" drive socket, 11/32"
- 1/4" drive socket, 3/8"
- 1/4" drive socket, 7/16"
- 1/4" drive socket, 1/2"
- 1/4" universal joint
- 1/4" ratchet
- 1/4" breaker bar
- 1/4" extension 2"
- 1/4" extension 6"

3/8" DRIVE (all 12 point)

- 3/8" drive socket, 3/8"
- 3/8" drive socket, 7/16"
- 3/8" drive socket, 1/2"
- 3/8" drive socket, 9/16"
- 3/8" drive socket, 5/8"
- 3/8" drive socket, 11/16"
- 3/8" drive socket, 3/4"
- 3/8" drive ratchet
- 3/8" drive extension, 3"
- 3/8" drive extension, 7 1/2"
- 3/8" drive universal joint

1/2" DRIVE (all 12 point)

- 1/2" drive socket, 7/16"
- 1/2" drive socket, 1/2"
- 1/2" drive socket, 9/16"
- 1/2" drive socket, 5/8"
- 1/2" drive socket, 11/16"
- 1/2" drive socket, 3/4"
- 1/2" drive socket, 13/16"
- 1/2" drive socket, 7/8"
- 1/2" drive socket, 15/16"
- 1/2" drive socket, 1"
- 1/2" drive socket, 1 1/16"
- 1/2" drive socket, 1 1/8"
- 1/2" drive socket, 1 3/16"
- 1/2" drive socket, 1 1/4"
- 1/2" drive ratchet
- 1/2" drive extension, 2 1/2"
- 1/2" drive extension, 5"
- 1/2" drive hinge handle

PUNCHES & CHISELS

- 3/8" x 3/4" long taper punch
- 3/8" center punch
- 1/4" cold chisel
- 5/8" cold chisel

PLIERS

- Diagonal Cutting pliers 7"
- Needle nose pliers 6"
- Water pump pliers 12"
- 6" pliers (slip joint)
- Lever wrench vise grips 8"

SCREWDRIVERS

- 9/32" stubby tip screwdriver
- 7/32" tip standard screwdriver
- 5/16" tip standard screwdriver
- 3/8" tip standard screwdriver
- #1 phillips screwdriver
- #2 phillips screwdriver
- #2 stubby phillips screwdriver

COMBINATION WRENCHES

- 3/8" combination wrench
- 7/16" combination wrench
- 1/2" combination wrench
- 9/16" combination wrench
- 5/8" combination wrench
- 11/16" combination wrench
- 3/4" combination wrench
- 13/16" combination wrench
- 7/8" combination wrench
- 15/16" combination wrench
- 1" combination wrench

MISCELLANEOUS TOOLS

- 24 oz. ball peen
- 3/8" drive plug socket 5/8"
- 3/8" drive plug socket 13/16"
- Feeler gauges .0015 to .040
- Spark plug gauge
- Allen wrench set, 1/16" to 3/8"
- 16" rolling head bar
- Gasket scraper

KANSAS INSTITUTE OF DIESEL TECHNOLOGYSM TOOL LIST 2018- 2019

MINIMUM REQUIRED TOOL LIST / Including but not limited to the following:

Rev. 01/03/17

- Digital multimeter (only needs to have basic functions)

TOOL BOX

- 10-drawer tp box or roll cabinet with at least 7 drawers

SUGGESTED TOOLS TO BE ADDED TO MINIMUM

SET AT MID-POINT:

- 3/8" drive**
 - Set of 6 point deep sockets (3/8" thru 7/8")
 - Set of 6 point metric sockets (6mm thru 19 mm)
 - 12" extension, speed handle
- 1/2" drive**
 - Air impact wrench
 - 10" extension
 - Set of impact sockets
- Box wrenches**
 - 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8"
- Combination wrenches**
 - 1 1/16", 1 1/8", 1 1/4"
 - Set of 12 pt. metric (6 mm thru 19 mm)
- Line wrenches**
 - 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 7/8" x 3/4"
- Ignition wrench set**
 - 13/64" thru 3/8"
- Hammers**
 - 3 lb. Drilling hammer, 2 lb. dead blow
- Tape measure**
 - 12 ft.
- Punches and Chisels**
 - 1/4 pin punch
 - 5/16 pin punch
 - 3/8 pin punch
 - 3/8 starting punch
 - 5/16 round nose chisel

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- Universal Brake adjusting tool**
- Hacksaw**
- Putty knife**
- Set of metric Allen Wrenches**
- Tool Box**
 - Large roll cabinet (depends on what you started with)

Feel free to contact Kansas Institute of Diesel TechnologySM Department: 785.890.1560

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