# Minimum Required Tool List

Including but not limited to the following:

### 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
- 1 1/16, 1 1/8, 1 1/4

### 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 TECHNOLOGY℠ TOOL LIST 2020-2021

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

- Digital multimeter

TOOL BOX

- Large roll cabinet

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 (9mm 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
  - 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

- Universal Brake adjusting tool
- Hacksaw
- Putty knife
- Set of metric Allen Wrenches
- Tool Box
  - 10-drawer Top Box

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