






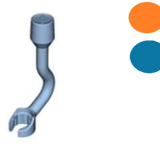


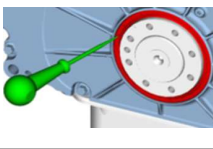






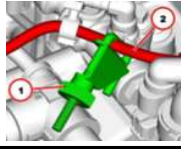
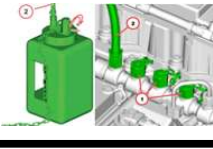

2.2L / 2.9L Tier 4 Final Special Tool List



● Blue denotes Competency Class Level II special tooling.

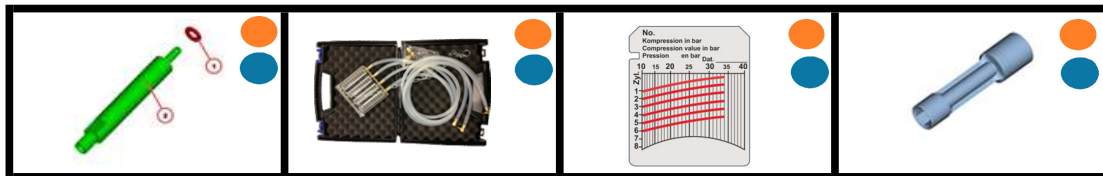


● Gold denotes Competency Class Level III tools.

 ● ●	 ● ●	 ● ●	 ● ●
2992127 Disassembly Tool	2992301 Separating Tool	1899368 Locking Plugs / Caps	2992477 Special Wrench (Fuel Line)
 ● ●	 ● ●	 ● ●	 ● ●
1899092 Hexalobular Tool Kit	2992117 Lever Tool (Injector Clamp)	1899103 Pick	1899110 Assembly Lever
 ● ●	 ● ●	 ● ●	 ● ●
1899132 Socket Wrench 27MM	1899400 Crankcase Pressure Testing Device	1899108 Disassembly Tool (M8 Stud Remover)	1899148 Assembly Tool (M8 Stud Installer)
 ● ●	 ● ●	 ● ●	 ● ●
2992294 Slide Hammer	1899404 Fuel Hose Clamp	1899403 Compression Gauge Tool Kit	1899034 Compression Gauge



2.2L / 2.9L Tier 4 Final Special Tool List

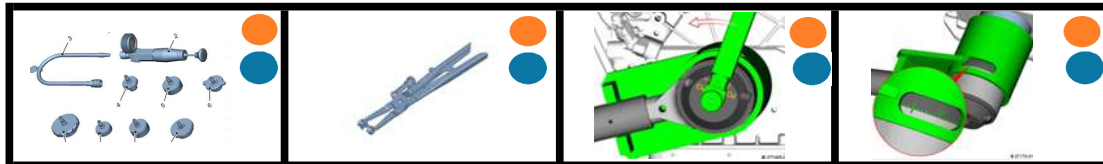


2992017
Compression Gauge
Connector

1899401
Injector Backflow
Measuring Tool

1899193
Compression Chart
Sheets

2992357
socket 12mm
(Glow Plug)

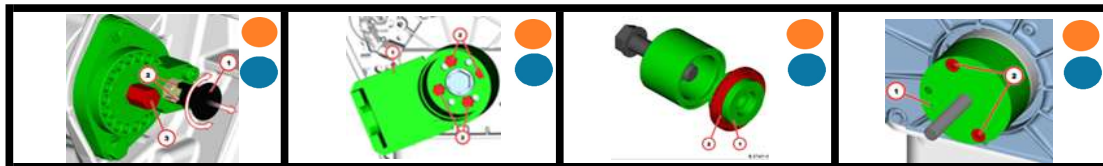


1899415
Cooling System
Pressure Tester

1899112
Spring Band Pliers

1899370
Force Multiplier

1899055
Socket Wrench Insert
32MM

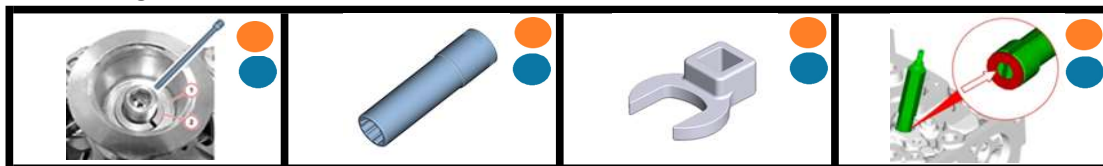


2992469
Turning Gear
Locking Device

2992483
Counter Holder

2992215
Assembly Tool
(Crank Seal)

2992214
Assembly Tool
(Flywheel Side)



1899098
Alternator Shaft
Spline Tool

1899408
19 MM Socket
(Temp Sensor)

1899406
24 mm Crows Foot
(Oil Press Sensor)

2992138
Sealing Disc
Extraction Device



1899426
SCR Test Set
(2.9L)

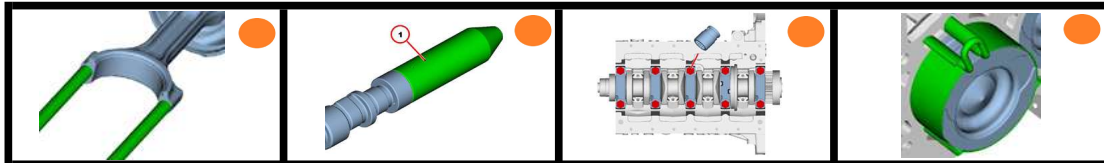
1899037
Hose clip pliers
(Cobra Clamps)

1899093
Torque Angle Disc

2992155
Piston Ring Expander



2.2L / 2.9L Tier 4 Final Special Tool List

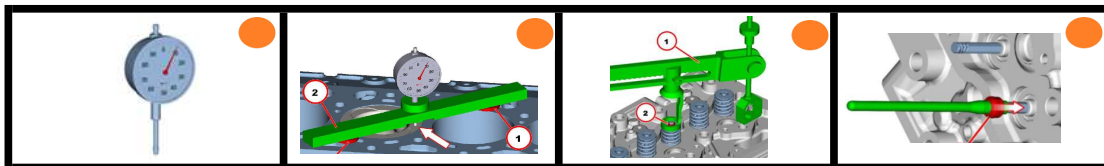


2992169
Connecting Rod
Assembly Tool

2992470
Camshaft Guide Pin

1899054
Socket 22 mm
(Main Cap Bolt)

2992399
Piston Ring
Compressor

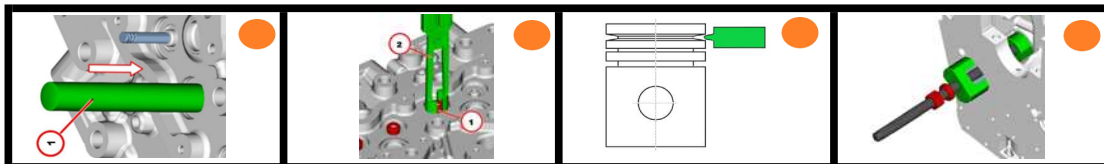


1899126
Dial Indicator

2992041
Piston Protrusion
Measuring Device

2992143
Valve Spring
Compressor

1899187
Valve stem Seal Tool
(Three Piece Set)



2992145
Valve Stem Seal
Installer

1899050
Valve Stem Seal
Removal Pliers

2992166
Ring Groove Wear
Gauge

2992472
Camshaft Bearing
Tool