

## ENGINE/PERFORMANCE

### Fuel System - Special Tools - X6

#### 13 0 131 COMPRESSED AIR HOSE WITH FILTER

Order number: 13 0 131

Compressed air hose with filter

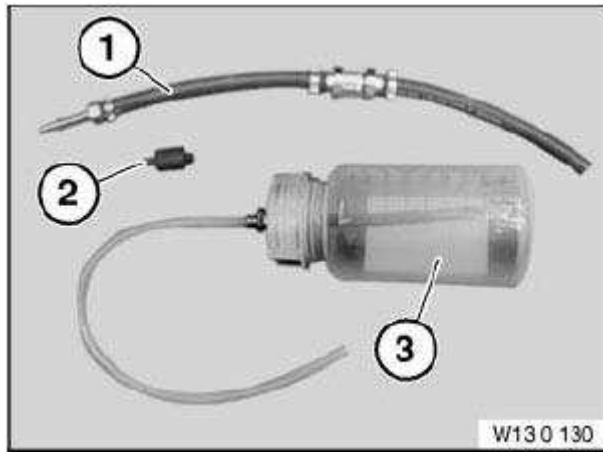


**Fig. 1: Identify Special Tool (13 0 131)**

Courtesy of BMW OF NORTH AMERICA, INC.

#### 13 0 132 ADAPTER

Order number: 13 0 132

Adapter

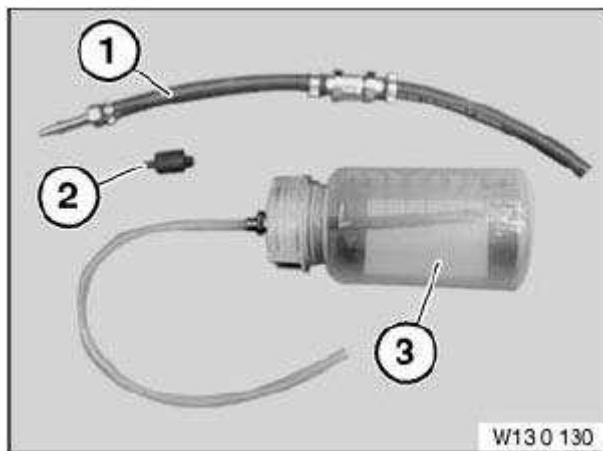


**Fig. 2: Identify Special Tool (13 0 132)**  
Courtesy of BMW OF NORTH AMERICA, INC.

## **13 0 133 CONTAINER**

Order number: 13 0 133

Container

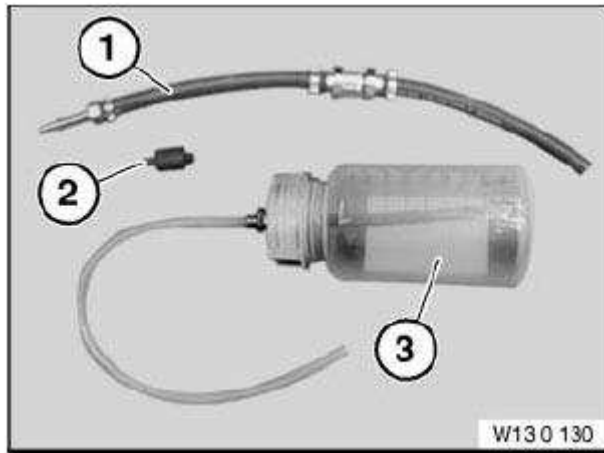


**Fig. 3: Identify Special Tool (13 0 133)**  
Courtesy of BMW OF NORTH AMERICA, INC.

## **13 0 160 SOCKET WRENCH WITH ADAPTER**

**Minimum set: Mechanical tools**

In conjunction with: 00 1 440

**NOTE:** For releasing and tightening down fuel line screw connection on injector.

Engine: N63

SI number: 01 20 08 (490)

Order number: 13 0 160

Socket wrench with adapter

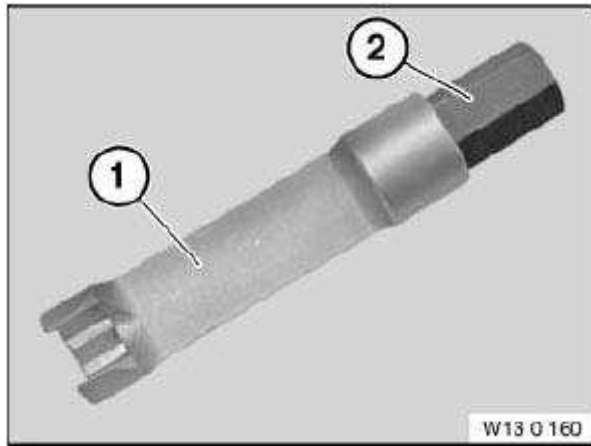


**Fig. 4: Identify Special Tool (13 0 160)**

**Courtesy of BMW OF NORTH AMERICA, INC.**

Consisting of:

1 = 13 0 161 Socket wrench 14 WAF open

2 = 13 0 162 Adapter 15 WAF

## **13 0 180 DRIVE-OUT TOOL**

**Minimum set: Mechanical tools**

In conjunction with: 13 5 250

**NOTE: For knocking out stuck injectors.**

Engine: N53, N54

Storage location: A19

SI number: 1 20 06 (299)

Order number: 13 0 180

Drive-out tool



**Fig. 5: Identify Special Tool (13 0 180)**  
**Courtesy of BMW OF NORTH AMERICA, INC.**

## **13 0 190 ASSEMBLY KIT**

**Minimum set: Mechanical tools**

**NOTE: For removing and installing Teflon rings on injector.**

Engine: N14, N43, N53, N54, N73H

SI number: 1 20 06 (299)

Order number: 13 0 190

Assembly kit

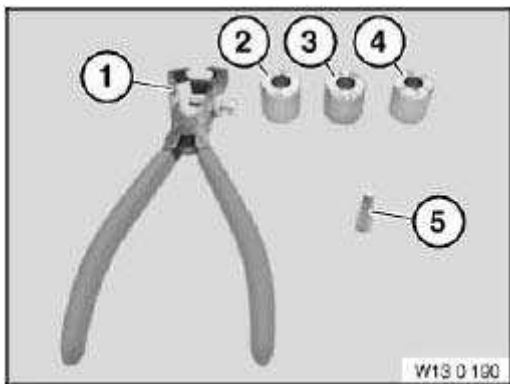


**Fig. 6: Identify Special Tool (13 0 190)**  
**Courtesy of BMW OF NORTH AMERICA, INC.**

Consisting of:

1 = 13 0 191 Pliers

2 = 13 0 192 Installation sleeve 1

3 = 13 0 193 Installation sleeve 2

4 = 13 0 194 Installation sleeve 3

5 = 13 0 195 Installation taper

## 13 3 010 HOSE CLIP

**Minimum set: Mechanical tools**

**NOTE:** For disconnecting a hose for repair work

Series: E12, E21, E23, E24, E28, E30, E30/C, E30tou, E31, E32, E32/3, E34, E34tou, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E36tou, E38, E38/3, E39, E39PL, E39tou, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E61, E63, E64, E65, E66, E67, E68, E70, E71, E81, E82, E83, E85, E86, E87, E88, E90, E91, E92, E93, F01, F02, R50, R52, R53, R55, R56, RR1, RR2, RR3

Storage location: C4

Order number: 13 3 010

Hose clip



**Fig. 7: Identify Special Tool (13 3 010)**  
Courtesy of BMW OF NORTH AMERICA, INC.

## 13 3 060 FIXTURE

**NOTE:** For checking fuel pressure on K-Jetronic and L-Jetronic as well as oil pressure

Engine: M10, M20, M20B25, M20B27, M21, M30, M30B34, M30Tur, M40, M41, M42, M43, M43TU, M44, M47, M47T2, M47TU, M50, M51, M52, M52TU, M54, M56, M57, M57D25, M57D30, M57T2, M57TU, M60, M62, M62VAN, M67, M70, M73, M88, N40, N42, N45, N45T, N46, N47, N47S, N51, N52, N52K, N53, N54, N62, N63, N73, S14, S38, S50B30, S50B32, S50US, S52US, S54, S62, W10, W11, W17

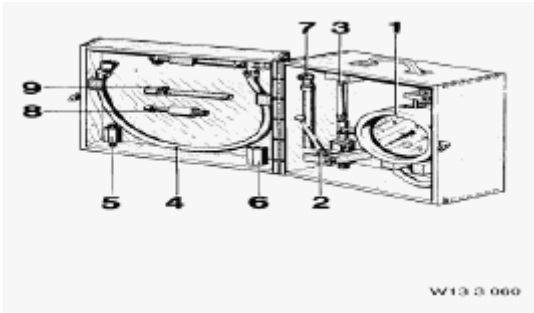


**Fig. 8: Identify Special Tool (13 3 060)**  
**Courtesy of BMW OF NORTH AMERICA, INC.**

Order number: 13 3 060

Fixture

Consisting of:

1 = 13 3 061 Pressure gauge 0...25 bar

2 = 13 3 062 2-way cock

**NOTE: Engine: All, except S50, S54, N73**

3 = 13 3 063 Connecting lines (2 x)

**NOTE: For fuel and oil pressure testing**

4 = 13 3 064 Connecting line

**NOTE: With T-piece for L-Jetronic All except N73**

5 = 13 3 065 Connecting piece distributor

**NOTE: All except N73**

6 = 13 3 066 Connecting piece warm-up sensor

**NOTE: All except N73**

7 = 13 3 067 Connecting hose

**NOTE: For checking fuel pump delivery All except N73**

In conjunction with: 13 3 020

8 = 13 3 068 Connecting piece distributor

**NOTE: All except N73**

In conjunction with: BMW SERVICE TEST

9 = 13 3 069 Connecting piece

**NOTE: For warm-up sensor with hose all except N73**

In conjunction with: BMW SERVICE TEST

## **13 5 020 WRENCH WAF 17**

**Minimum set: Mechanical tools**

**NOTE: For loosening and tightening fuel injection lines**

Engine: M21, M41, M47, M47T2, M47TU, M51, M57, M57T2, M57TU, N51, N52, N53, N54, N62, N62TU, N63, W16

Storage location: A9

Order number: 13 5 020

Wrench WAF 17

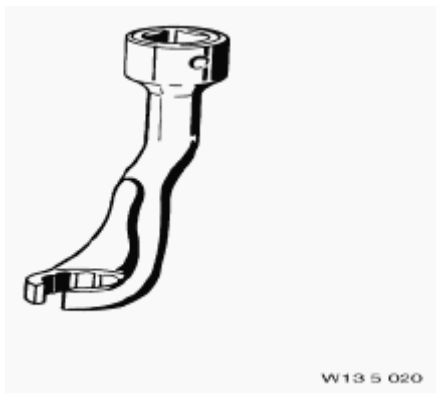


**Fig. 9: Identify Special Tool (13 5 020)**

Courtesy of BMW OF NORTH AMERICA, INC.

## **13 5 160 PLUGS (2)**

**Minimum set: Mechanical tools**

**NOTE: For sealing fuel lines when removing and installing engine.**

Engine: M52, M52TU, M54, M56, M62, N12, N14, N40, N42, N43, N45, N46, N52, N52K, N53, N54, N62, N62TU, N73, S50B32, S85, W10, W11

SI number: 01 22 08 (498)

Order number: 13 5 160

Plugs (2)

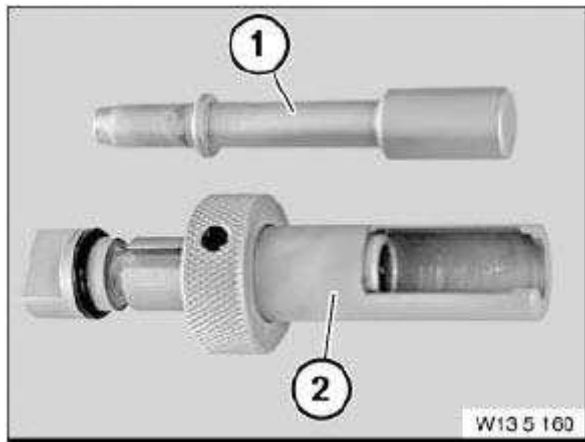


**Fig. 10: Identify Special Tool (13 5 160)**  
**Courtesy of BMW OF NORTH AMERICA, INC.**

Consisting of:

1 = 13 5 161 Seal (2 x)

**NOTE: For sealing quick couplings**

2 = 13 5 162 Seal (2 x)

**NOTE: For sealing fuel lines.**

## **13 5 250 EXTRACTOR**

**Minimum set: Mechanical tools**

**NOTE: For removing injection nozzles or injectors from cylinder head**

Engine: M47, M47TU, M57, M57TU, M67, N43, N53, N54, N73, N73H, W10, W11, W17

Storage location: A11, B11

SI number: 01 06 98 (306)

Order number: 13 5 250

Extractor

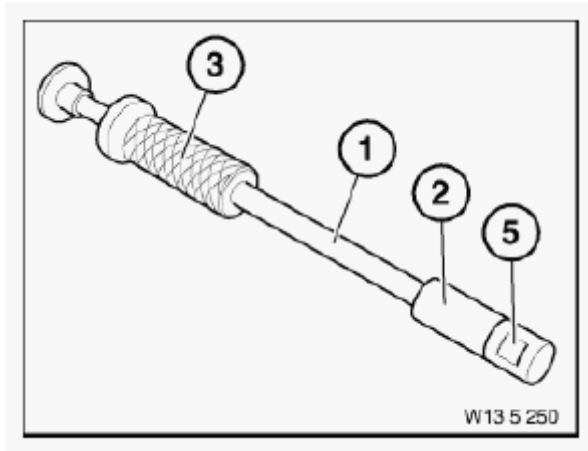


**Fig. 11: Identify Special Tool (13 5 250)**  
**Courtesy of BMW OF NORTH AMERICA, INC.**

Consisting of:

1 = 13 5 251 Guide rod

2 = 13 5 252 Threaded bush

3 = 13 5 253 Impact weight

5 = 13 5 255 Adapter

**NOTE:** For withdrawing steering spindle on E85. Refer to

## **13 5 280 PLUGS FOR FUEL LINES**

**NOTE:** For sealing fuel lines when removing and installing engine. 13 5 280 discontinued from 10/2008. Replaced by 13 5 160.

Engine: M52, M52TU, M54, M56, M62, N12, N14, N40, N42, N43, N45, N46, N52, N52K, N53, N54, N62, N62TU, N73, S50B32, S85, W10, W11

Storage location: B3, C3

SI number: 1 18 96 (163)

Order number: 13 5 280

Plugs for fuel lines

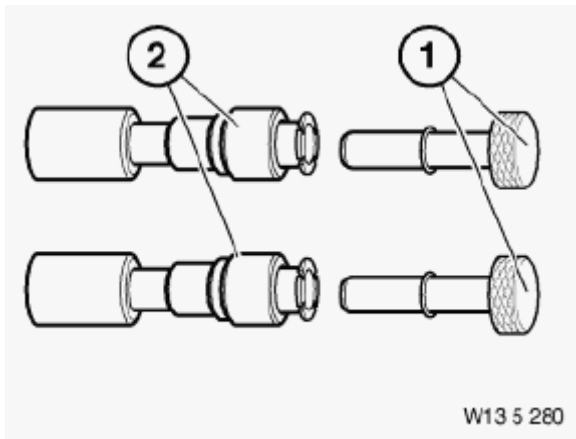


**Fig. 12: Identify Special Tool (13 5 280)**

Courtesy of BMW OF NORTH AMERICA, INC.

## 13 6 050 SET OF ADAPTERS FOR BMW DIS

Minimum set: Mechanical tools

**NOTE:** For measuring oil and fuel pressures

Engine: M10, M20, M20B25, M20B27, M21, M30, M30B34, M30Tur, M40, M41, M42, M43, M43TU, M44, M47, M47T2, M47TU, M50, M51, M52, M52TU, M54, M56, M57, M57D25, M57D30, M57T2, M57TU, M60, M62, M62VAN, M67, M70, M73, M88, N40, N42, N47, N47S, N51, N52, N52K, N53, N54, N62, N63, N73, S14, S38, S50B30, S50B32, S50US, S52US, S54, S62, W10, W11, W17

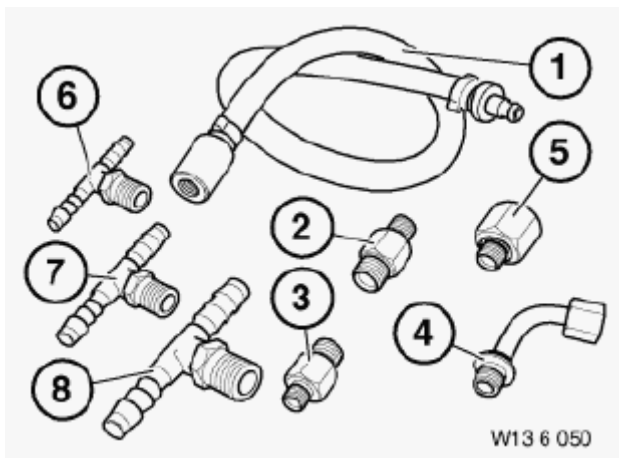


**Fig. 13: Identify Special Tool (13 6 050)**

Courtesy of BMW OF NORTH AMERICA, INC.

Storage location: A16, B16

SI number: 1 12 94 (859)

Order number: 13 6 050

Set of adapters for BMW DIS

Consisting of:

1 = 13 6 051 Connecting hose

**NOTE:** For connecting reducers 13 6 052, 13 6 053, 13 6 55 and adapters 11 4 050, 11 4 160, 11 4 170, 13 5 131 to BMW DIS

2 = 13 6 052 Reducer

**NOTE:** For pipe elbows 24 0 023, 24 0 024, 24 0 140

In conjunction with: 13 6 051

3 = 13 6 053 Reducer for adapter 16 1 300

In conjunction with: 13 6 051

4 = 13 6 054 Pipe elbow

In conjunction with: 13 6 051, 11 4 050

5 = 13 6 055 Reducer for T-pieces 13 6 056 and 13 6 057

In conjunction with: 13 6 051

6 = 13 6 056 T-piece for 6 mm dia. line

7 = 13 6 057 T-piece for 8 mm dia. line

## **13 6 058 T-PIECE FOR 12 MM DIA. LINE**

Order number: 13 6 058

T-piece for 12 mm dia. line

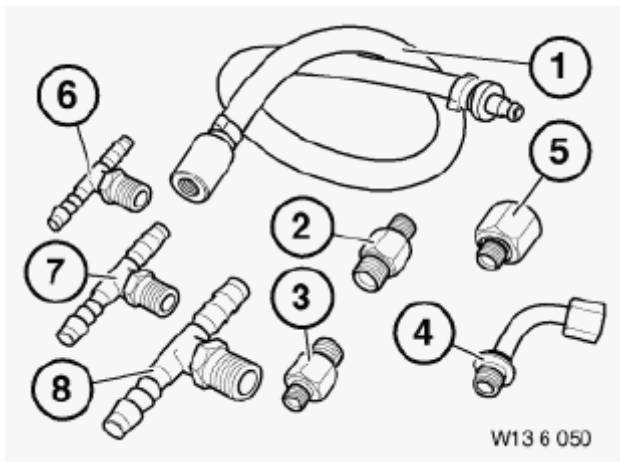


**Fig. 14: Identify Special Tool (13 6 058)**  
Courtesy of BMW OF NORTH AMERICA, INC.