

2007-08 ENGINE**Exhaust System - Repair Instructions - X5 (V8)****00 EXHAUST SYSTEM, COMPLETE****18 00 020 REMOVING AND INSTALLING COMPLETE EXHAUST SYSTEM (N62TU)**

Special tools required:

- 31 2 220

WARNING: Scalding hazard!

Only perform this work after engine has cooled down.

Danger of injury!

Removal of the exhaust system must be carried out with the assistance of a second person.

Support exhaust system with special tool 31 2 220.

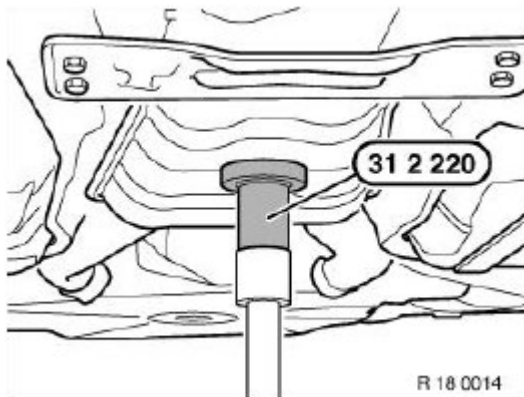


Fig. 1: Identifying Special Tool (31 2 220)

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Procedure is for the left side. Right side is identical.

Unfasten screw connection.

Slacken ball band clamp (1) from exhaust pipe.

Installation:

- Replace ball band clamps.

- Apply a thin coating of copper past to contact surface between ball and socket.
- When tightening down ball band clamps, press exhaust system against both manifold flanges in order to achieve gap-free installation.

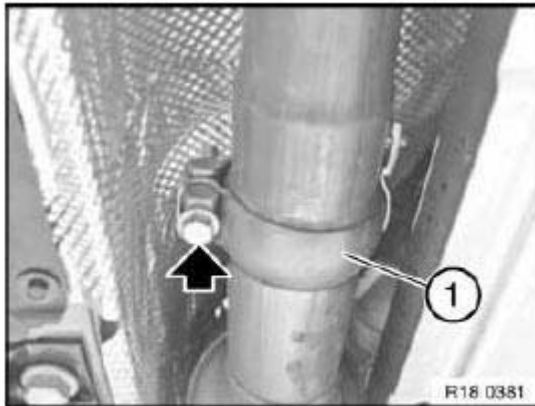


Fig. 2: Locating Screw

Courtesy of BMW OF NORTH AMERICA, INC.

- Install ball band clamp at right angles to exhaust pipe.
- Tightening torque 18 31 1AZ, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

Release screws and remove holder (1).

Tightening torque 18 20 1A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

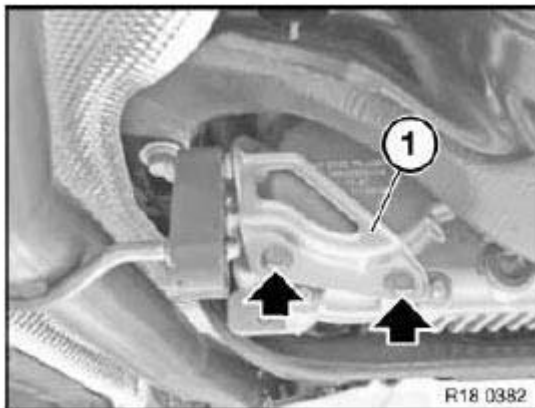


Fig. 3: Locating Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and remove holder (1).

Tightening torque 18 20 1A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

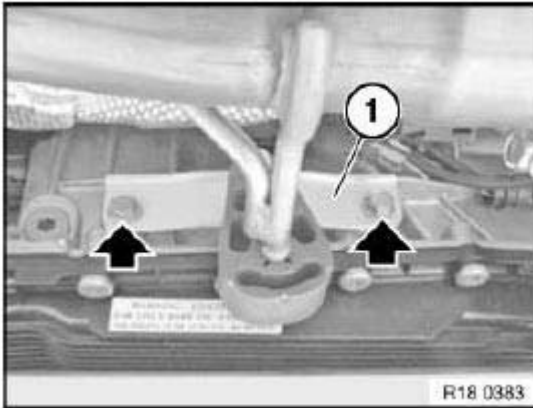


Fig. 4: Identifying Holder

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and remove holder (1).

Tightening torque 18 20 2A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

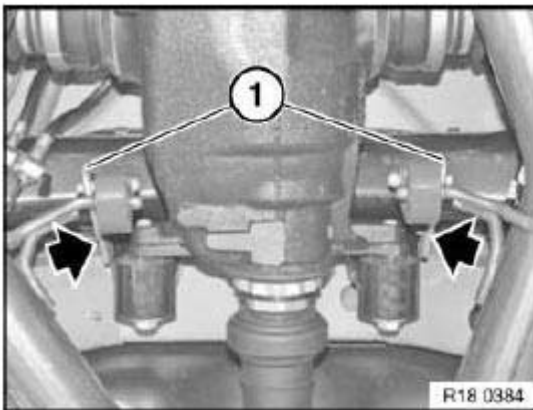


Fig. 5: Locating Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and remove holder (1).

Tightening torque 18 20 3A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

NOTE: Texts refer to and illustrations show the left side. The procedure is identical for the right side.

Lower and remove exhaust system with assistance of a second person.

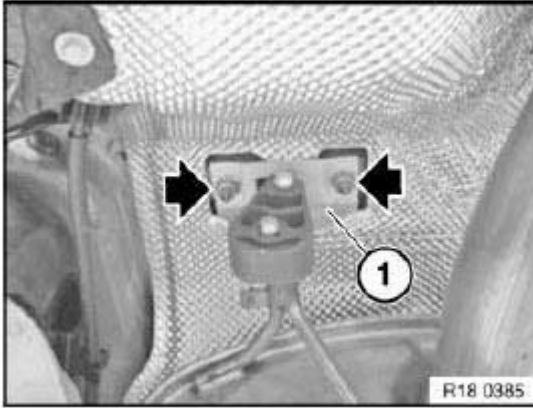


Fig. 6: Locating Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Align both tail pipes (1) of rear muffler in each case centrally to openings in rear apron.

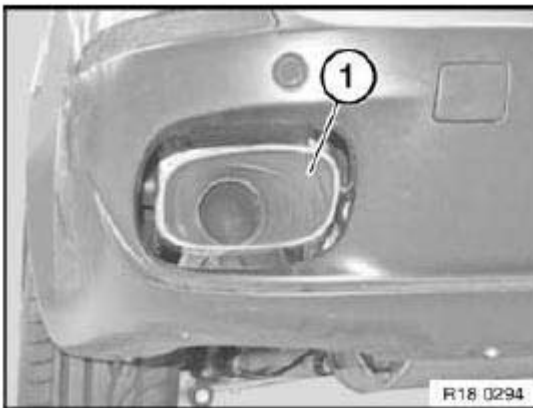


Fig. 7: Identifying Tail Pipes

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Check rubber mount for damage, replace if necessary.

Check exhaust system for leaks.

12 MUFFLERS

18 10 031 REPLACING REAR MUFFLER (N62TU)

Special tools required:

- 00 2 210
- 31 2 220

WARNING: Scalding hazard!
Only perform these tasks after exhaust system has cooled down.

Support exhaust system with special tool 31 2 220 .

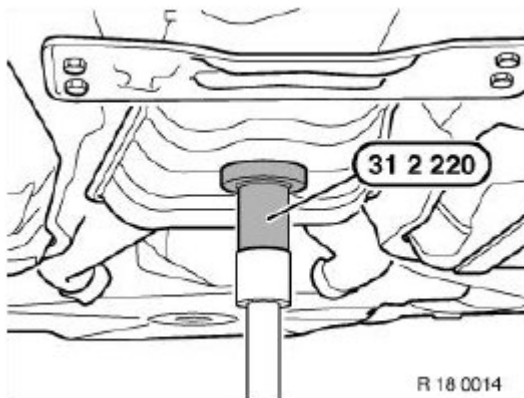


Fig. 8: Identifying Special Tool (31 2 220)

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: If the cutting lines are not identified by notches in the pipes, they must be determined by means of the pipe lengths on the new rear muffler (2).

Carry over cutting lines to faulty rear muffler (2) and mark out.

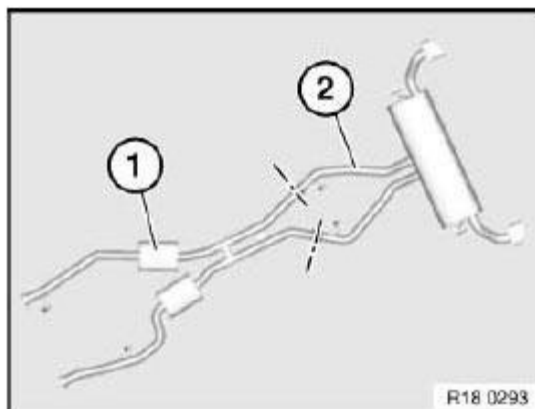


Fig. 9: Identifying Mark On Front Muffler

Courtesy of BMW OF NORTH AMERICA, INC.

Cut both exhaust pipes at marked points with special tool 00 2 210 and deburr.

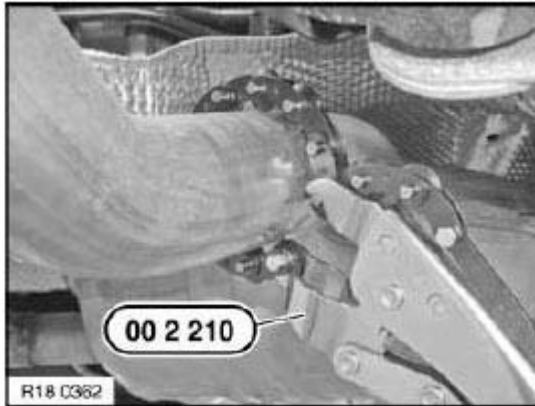


Fig. 10: Identifying Special Tool (00 2 210)

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Secure exhaust system against falling off. Release screws and remove holder (1). See Fig. 17. Tightening torque 18 20 2A, see EXHAUST SYSTEM - TIGHTENING TORQUES .

Release screws and remove holder (1). See Fig. 18.

Tightening torque 18 20 3A, see EXHAUST SYSTEM - TIGHTENING TORQUES .

Texts refer to and illustrations show the left side. The procedure is identical for the right side. Lower and remove exhaust system with assistance of a second person.

Installation:

Connect front muffler to rear muffler by means of clamps and align.

Centre clamps and tighten down.

Tightening torque 18 20 5A, see EXHAUST SYSTEM - TIGHTENING TORQUES . .

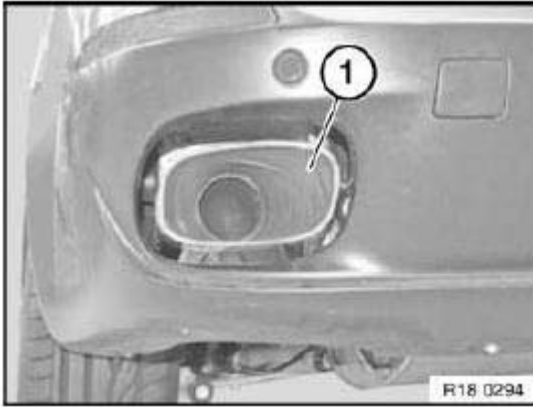


Fig. 11: Tightening Centre Clamps

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Align both tail pipes (1) of rear muffler are centrally situated in openings in rear apron.

**Fig. 12: Identifying Tail Pipes**

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Check rubber mount for damage and replace if necessary.
Check exhaust system for leaks.

18 10 040 REPLACING FRONT MUFFLER (N62TU)**Special tools required:**

- 00 2 210
- 31 2 220

WARNING: Scalding hazard!

Only perform these tasks after exhaust system has cooled down.

Support exhaust system with special tool 31 2 220 .

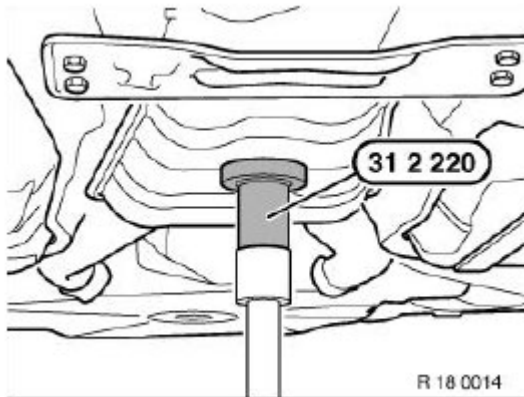


Fig. 13: Identifying Special Tool (31 2 220)

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: If the cutting lines are not identified by notches in the pipes, they must be determined by means of the pipe lengths on the new rear muffler (2). Carry over cutting lines to faulty rear muffler (2) and mark out.

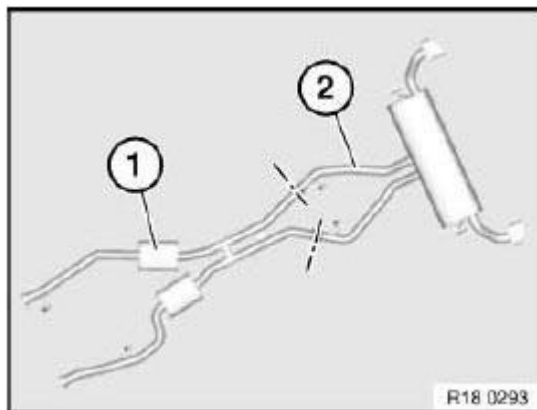


Fig. 14: Identifying Mark On Front Muffler

Courtesy of BMW OF NORTH AMERICA, INC.

Cut both exhaust pipes at marked points with special tool 00 2 210 and deburr.

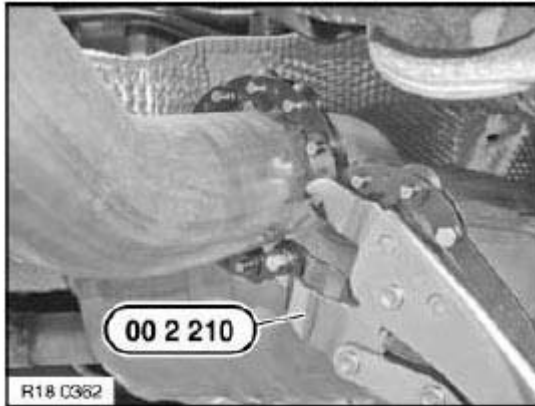


Fig. 15: Identifying Special Tool (00 2 210)

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Texts refer to and illustrations show the left side. The procedure is identical for the right side.

Unfasten screw connection. Slacken ball band clamp (1) from exhaust pipe.

Installation: Replace ball band clamps. Apply a thin coating of copper past to contact surface between ball and socket. When tightening down ball band clamps, press exhaust system against both manifold flanges in order to achieve gap-free installation. Install ball band clamp at right angles to exhaust pipe. Tightening torque 18 31 1A, see **EXHAUST SYSTEM - TIGHTENING TORQUES**.

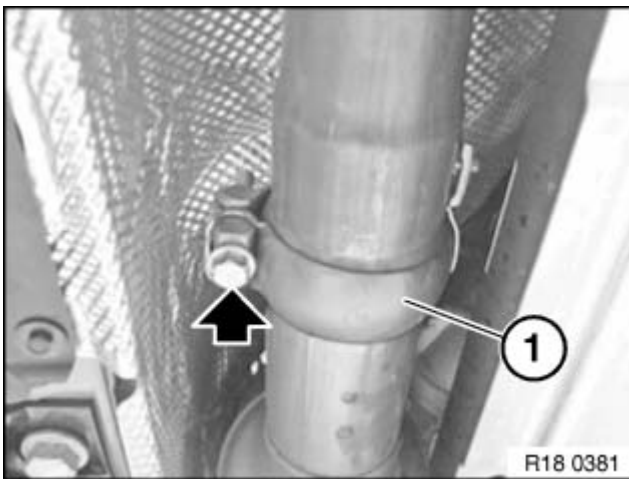


Fig. 16: Ball Band Clamp

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and remove holder (1).

Tightening torque 18 20 3A, see **EXHAUST SYSTEM - TIGHTENING TORQUES**.

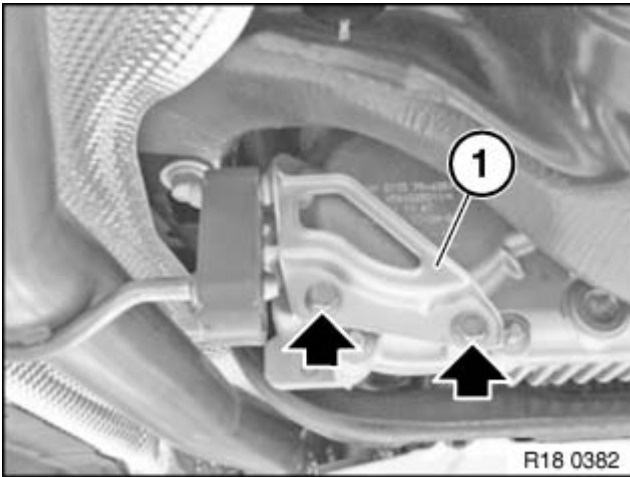


Fig. 17: Locating Screws And Holder (1)
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and remove holder (1).

Tightening torque 18 20 3A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

Lower and remove front muffler with assistance of a second person.

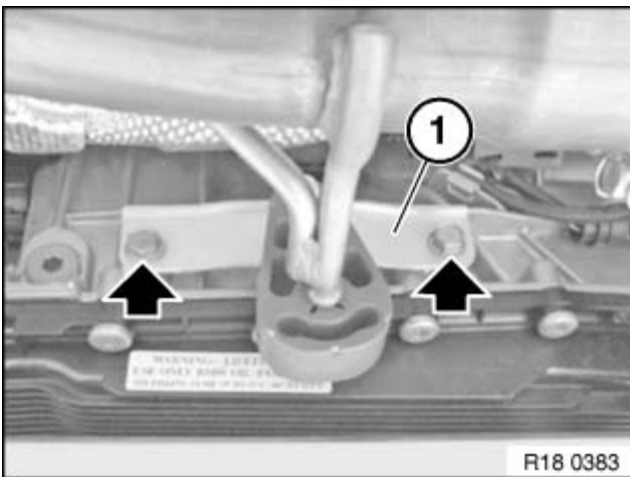


Fig. 18: Locating Screws And Holder (1)
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Connect front muffler to rear muffler by means of clamps and align.

Centre clamps and tighten down.

Tightening torque 18 20 5A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** . .



Fig. 19: Tightening Centre Clamps

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Align front muffler to fit so both tail pipes (1) of rear muffler are centrally situated in openings in rear apron.

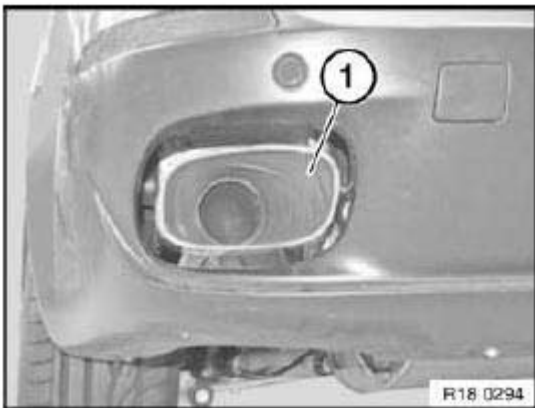


Fig. 20: Identifying Tail Pipes

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Check rubber mount for damage and replace if necessary.
Check exhaust system for leaks.

40 EXHAUST MANIFOLD

18 40 050 REMOVING AND INSTALLING/REPLACING RIGHT EXHAUST MANIFOLD (N62TU)

Necessary preliminary tasks:

- Remove exhaust system.
- Remove right control sensor. See EMISSION CONTROL, OXYGEN.

- Remove right monitor sensor. See **EMISSION CONTROL, OXYGEN** .
- Remove right engine support arm.

For purposes of clarity, illustration shows and description refers to the removed engine.

Unscrew nuts.

Remove exhaust manifold downward.

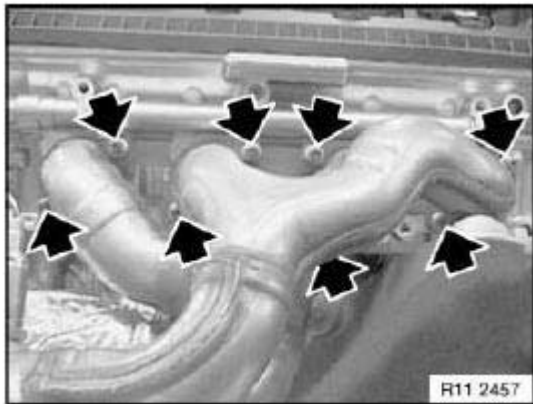


Fig. 21: Locating Nuts

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Replace seals. Seal beads face exhaust manifold. Coat threads with copper paste.

Replace nuts.

Tightening torque, 18 40 1A, see **EXHAUST SYSTEM - TIGHTENING TORQUES** .

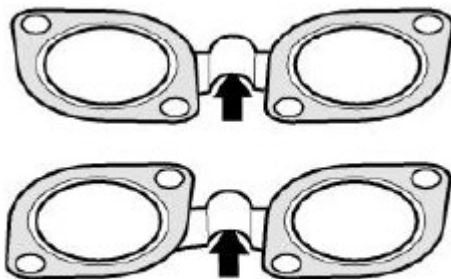


Fig. 22: Locating Seal Beads

Courtesy of BMW OF NORTH AMERICA, INC.