



Air Compressors

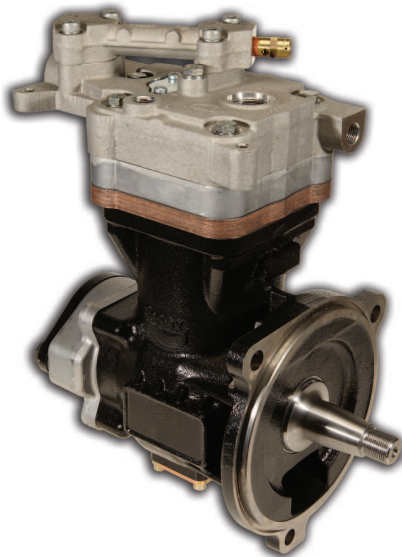
Questions and Answers: Bendix® SNA-01™ Air Compressor for 2007-10 Volvo® D11, D13 & D16 Engines.

This document is intended to assist you in understanding select aspects of the Bendix® SNA-01™ air compressor—a new offering from Bendix—and does not serve as a performance guarantee. Not all aspects of the product are referenced in this document, and the information is subject to change without notice. Please refer to Bendix Service Data Sheet SD-01-10142 for additional details.

Product Information – Bendix® SNA-01™

1. What is the Bendix® SNA-01™ air compressor?

SNA-01™ stands for **service new alternative**. This new compressor is a Bendix aftermarket replacement for the Wabco® series 636 (P/N 912 512 004 0) twin-cylinder air compressor used on most 2007-2010 Volvo® D11, D13 & D16 engines.



2. Why replace an existing Wabco air compressor with the Bendix SNA-01?

- **Improved reliability** – The Bendix SNA-01 unit is designed with specific improvements to surpass the performance of the original OE-supplied product. The SNA-01 is built on the proven Bendix technology found on the most reliable compressors in the market today.
- **Reduced oil passing** – The SNA-01 offers the same low oil-passing characteristics as our existing industry leading compressors.
- **Reduced air discharge temperature** – Improvements in the SNA-01's cylinder head design provides a cooler running head which reduces the air discharge temperature.
- **Reduced maintenance** – The combination of low oil passing and reduced air discharge temperature means less work for your air dryer, resulting in longer service life and lower total cost of ownership for your entire air charging system.

3. Is the Bendix SNA-01 a direct replacement for the Wabco 636 Series (P/N 912 512 004 0) twin cylinder air compressor?

Yes. For the Volvo engines specified within this Q & A, the Bendix SNA-01 compressor is a direct replacement for the Wabco series 636 compressor. While Bendix designed the SNA-01 compressor to be a drop-in-place replacement, some minor plumbing changes are necessary to ensure optimum performance. An Instructional Guide with a hose adapter kit (K108823) is included with the service-new compressor. A front flange o-ring (Volvo P/N 992065), which must be purchased from a Volvo dealer, is required to mount the compressor to the engine.

Bendix® SNA-01™ Air Compressor

4. Can the Bendix® SNA-01™ be used to replace Wabco® compressors on Volvo engines built after 2010?

No. The SNA-01 compressor is intended as a direct replacement for Wabco units found on Volvo engines supplied between 2007 and 2010. Bendix has not qualified this compressor to operate with newer Volvo engines.

Bendix Compressor Application Matrix (BW2625) offers directional information when sizing a compressor for your particular vehicle's vocation. This application matrix assumes that all compressor installations utilize an air induction system that is naturally aspirated.

5. What is the rated air output of the SNA-01 compressor compared to the Wabco compressor?

While the Wabco 636 twin cylinder compressor produces approximately twice as much air, the Bendix SNA-01's rated output of 16 CFM is well-suited for the majority of Volvo applications.

Refer to the Bendix "BW3006 - Aftermarket Compressor Application Guideline for 2007-2010 Mack® and Volvo® Vehicles." This guideline can assist you in determining if the SNA-01 compressor is appropriate for your application.

Service & Maintenance

6. Will existing Bendix® BA-921® compressor service kits work on the new SNA-01 unit?

Yes. The cylinder head gasket kit (K023764), unloader kit (K109119), seal kit (5008559), and safety valve kit (K105720) all work for both compressors. A discharge adapter kit (K092848) — unique to the SNA-01 compressor — is also available to service the discharge jumper.

Note: Bendix does not supply the front flange o-ring (Volvo P/N 992065) required to mount the compressor to the Volvo engine. This o-ring must be purchased through an authorized Volvo dealer.

Additional Information

7. Where can I learn more information about the Bendix SNA-01 Air Compressor?

Details about the Bendix SNA-01 air compressor, along with all Bendix products, are available online at www.bendix.com, or call us, toll free, at 1-800-AIR-BRAKE (1-800-247-2725).

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Find out more about the new Bendix® SNA-01™ Air Compressor. Meet with a Bendix Account Manager, call us at 1-800-AIR-BRAKE (1-800-247-2725), or visit www.bendix.com today.