

Component Procedures: Compressor HVAC

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Component Procedures: Compressor HVAC

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Compressor	22798908	Compressor	360.74	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Compressor > Clutch, R&R	B	1.4	0.0
Remove & Replace	Compressor > Compressor, R&R	B	1.7	0.0

Air Conditioning Compressor Oil Balancing (Article 12706)

Draining Procedure

- Drain the refrigerant oil from the crankcase and rear head ports into a clean, graduated container.
- Rotate the air conditioning compressor shaft to assist in draining the air conditioning compressor. Click for full-size image
- Measure and record the amount of oil drained from the removed air conditioning compressor. This measurement will be used during installation of the replacement air conditioning compressor.
- Inspect oil drained from removed air conditioning compressor. Air Conditioning Compressor Oil Diagnosis
- Properly discard the used refrigerant oil.
- Clean the graduated cylinder.
- Drain bolt and drain the refrigerant oil from the air conditioning compressor crankcase and rear head ports into a clean, graduated container.
- Rotate the air conditioning compressor shaft to assist in draining the air conditioning compressor.

Balancing Procedure

- Refer to the amount of refrigerant oil recorded during the air conditioning compressor removal. Click for full-size image
- If the amount of oil recorded from the removed air conditioning compressor is less than or equal to 40 ml (1.4 fl. oz), add 41 ml of the new PAG oil back into the new air conditioning compressor through the air conditioning compressor suction port.
- If the amount of oil recorded from the removed air conditioning compressor is greater than 40 ml (1.4 fl. oz), add the equivalent amount of the new PAG oil back into the new air conditioning compressor through the air conditioning compressor suction port.
- Rotate the air conditioning compressor clutch driver three times to lubricate the internal air conditioning compressor components.
- If necessary, refer to Refrigerant System Specifications .

Air Conditioning Compressor Replacement (LFX) (Article 12708)

Callout Component Name

Preliminary Procedures Recover the refrigerant . Refrigerant Recovery and Recharging Raise and support the vehicle. Lifting and Jacking the Vehicle Remove the A/C compressor belt. Drive Belt Replacement Remove the A/C compressor hose . Air Conditioning Compressor Hose Replacement

Preliminary Procedures

- Recover the refrigerant . Refrigerant Recovery and Recharging
- Raise and support the vehicle. Lifting and Jacking the Vehicle
- Remove the A/C compressor belt. Drive Belt Replacement
- Remove the A/C compressor hose . Air Conditioning Compressor Hose Replacement
- 1 A/C Compressor Stud Caution: Refer to Fastener Caution . Tighten 10 Nm (89 lb in) 10 Nm (89 lb in)
- 2 A/C Compressor Nut Caution: Refer to Fastener Caution . Tighten 22 Nm (16 lb ft) 22 Nm (16 lb ft)
- 3 A/C Compressor Bolt (Qty: 2) Caution: Refer to Fastener Caution . Tighten 22 Nm (16 lb ft)

4 A/C Compressor Procedure When replacing the A/C compressor, balance the compressor oil . Air Conditioning Compressor Oil Balancing If an internal mechanical failure is suspected within the A/C compressor that creates metal debris, inspect and clean/or replace the R/D filter screen within the A/C condenser and install a suction screen to the A/C compressor line suction port. Remove and discard seal. Air Conditioning Compressor

Hose Seal Replacement

Procedure

- When replacing the A/C compressor, balance the compressor oil . Air Conditioning Compressor Oil Balancing
- If an internal mechanical failure is suspected within the A/C compressor that creates metal debris, inspect and clean/or replace the R/D filter screen within the A/C condenser and install a suction screen to the A/C compressor line suction port.
- Remove and discard seal. Air Conditioning Compressor Hose Seal Replacement

All Technical Service Bulletins (itype_100)

Tsbs

- A/C - Vibration After Compressor Replacement (PIC6011, 2014/07/01)

Repair Tips (itype_110)

Tsbs

- A/C - Vibration After Compressor Replacement (PIC6011, 2014/07/01)