

1.4 AUA/BBY engine donor car guideline

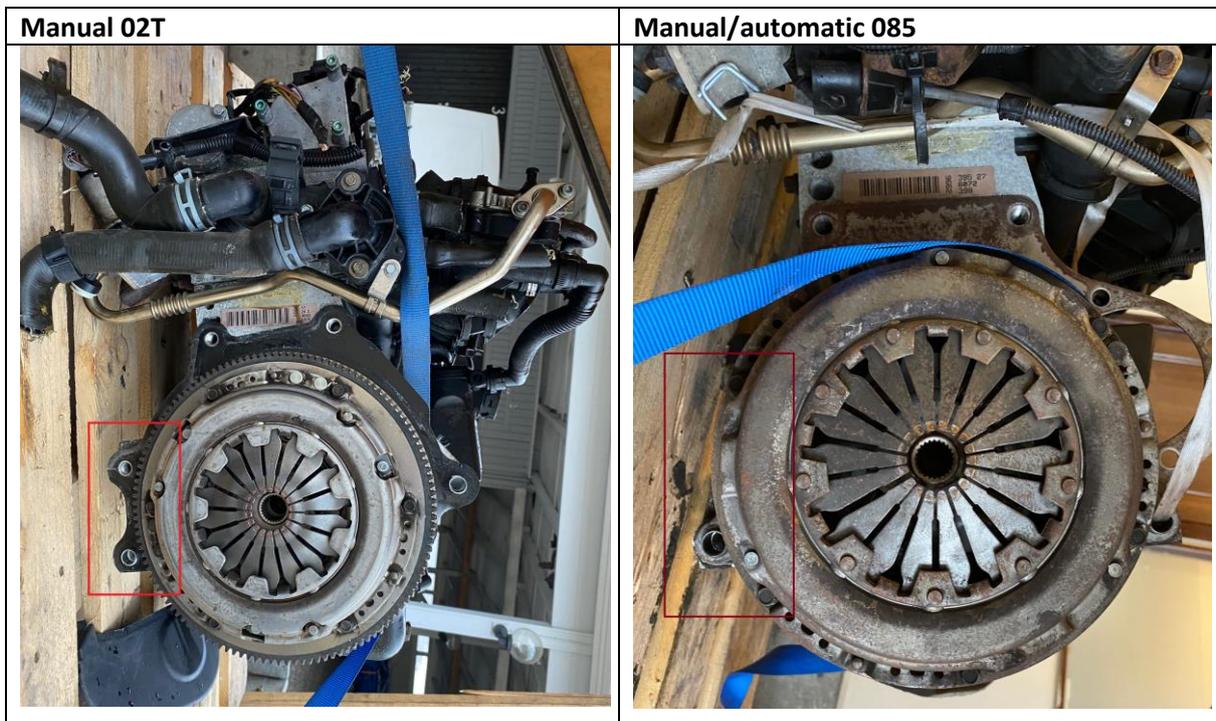
Below is a short guideline for suitable donor cars that you can take an AUA/BBY/BKY** 1.4 engine from if you need to replace the engine in your Audi A2.

Model	Year	Engine Code	Gearbox code (manual)	Can be used as donor engine
VW Lupo	1998-2005	AUA/BBY	085	No
Seat Cordoba II	1999-2002	AUA/BBY	085	No
Seat Ibiza II	1999-2001	AUA	085	No
VW Polo 6N	2000-2001	AUA	085	No

Model	Year	Engine Code	Gearbox code (manual)	Can be used as donor engine
Skoda Fabia I	1999-2007	AUA/BBY/BKY**	02T	Yes *
Seat Ibiza III	2002-2006	BBY/BKY**	02T	Yes *
Seat Cordoba III	2003-2005	BBY/BKY**	02T	Yes *
VW Polo 9N	2002-2005	AUA/BBY/BKY**	02T	Yes *

* Important, engine blocks attached to an automatic gearbox or 085 gearbox won't fit Audi A2 since the starter is placed at the back of the engine. The engine block has therefore different bolt pattern to attach the gearbox.

If you come across an engine where you don't know which type of gearbox it had attached then look for the bolt holes to the front of the engine. Two holes indicates that you can use it as a donor engine for your Audi A2.



** It might be possible to use **early BKY** engines but it seems that sometime during model year 2006 a change was made to this engine regarding the EGR system which make the engine **not suitable** as a donor engine. This is easy to distinguish since this version of the engine does not have the EGR outlet on the cylinder head. **I would recommend to be more cautious when consider using a BKY engine.**



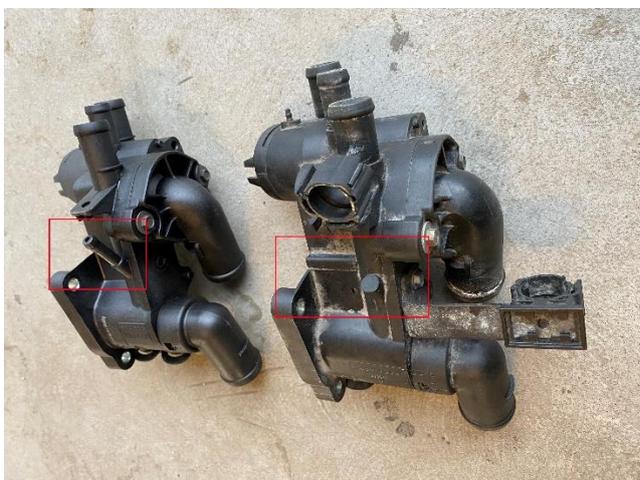
Picture shows a late BKY engine without outlet for the EGR valve.

Late AUA engines have the same non- return fuel system as the BBY engine. This means that you need to reuse the fuel rail and also inlet manifold from your old engine since vacuum outlet for the fuel valve on the inlet manifold is missing on these engines.

Late BBY engines can have a different inlet manifold which differs where the EGR pipe is attached. If this is the case then reuse the inlet manifold from your old engine

You always need to replace the oil pan since the one used on Audi A2 differs from the donor engine (inlets for oil dipstick and oil filler tube). Important, you might need to reuse the oil pan bolts from you A2 engine since the bolt length on the donor engine can be shorter and you risk to damage the threads.

You also need to replace the thermostat housing since you need the outlet for the water hose to the expansion tank, which will be missing on the donor engine.



Left picture is shows the thermostat housing from an Audi A2 and the right picture from a Skoda Fabia I.

Mounting plate for the alternator and aircon compressor might need to be replaced as well as the engine mounts. This is easy to see when you compare your engine with the donor engine.

There is no problem to replace an AUA engine with a BBY engine. You need to reuse following parts from your old AUA engine:

- Inlet manifold (to get vacuum outlet to the fuel rail)
- Airbox over the inlet manifold (to get inlet for the crank case breather tube)
- Crankcase breather and tube
- Fuel rail (Audi A2 AUA engines have fuel return system)
- Ignition coil, cords and plug caps
- You don't need to replace the rocker cover even though they differ. Do following:
 - Remove plastic guide for the ignition coils
 - There might be a metal pipe for coolant water on the donor engine that can be removed from the rocker cover since it is not used on the Audi A2
 - Use the ignition coil from your AUA engine which also fit the BBY rocker cover
 - AUA plug caps and cords will fit even though there is a difference in the rocker cover (ridge around each plug cap hole).
 - Plug the fresh air inlet to the rocker cover (no outlet on the airbox that is used on the AUA engine)

More information and pictures are available on the German Audi A2 Wiki:

https://wiki.a2-freun.de/wiki/index.php/Unterschiede_AUA_BBY

Please be aware that all information is provided to my best knowledge and I don't take any liability for incorrectness in this guideline.

Revision history

2022-02-21	Added information that the thermostat housing needs to be replaced and information about using a BKY engine as donor engine.