**1) Radiator**

(Manual transmission) [link to buy](http://www.amazon.com/gp/product/B007HO53T0/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B007HO53T0&linkCode=as2&tag=e46f-20&linkId=4DA7WNUK5HDCA4UL)

**(Automatic transmission)** [link to buy](http://www.amazon.com/gp/product/B00539X1T0/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00539X1T0&linkCode=as2&tag=e46f-20&linkId=FC6ZMIZSZAROYRWT)

**2) Expansion Tank**

[link to buy](http://www.amazon.com/gp/product/B00E3C79LE/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00E3C79LE&linkCode=as2&tag=e46f-20&linkId=2VHLPXIJAACKVCRS)

**3) Expansion Tank Cap**

[link to buy](http://www.amazon.com/gp/product/B001FS89Q8/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B001FS89Q8&linkCode=as2&tag=e46f-20&linkId=2DWQ7FCCCLXE6OWU)

**4) Water Pump**

[link to buy](http://amzn.to/2yMKnlJ)

**5) Radiator Hose Lower**

[link to buy](http://amzn.to/2yNNY2Q)

**6) Radiator Hose Upper**

[link to buy](http://amzn.to/2yMQKFB)  
  
**7) Expansion Tank to Pipe Lower Hose (VERY important)**  
[link to buy](http://amzn.to/2dl7yO5)

**8) Thermostat**

[link to buy](http://www.amazon.com/gp/product/B001G5W128/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B001G5W128&linkCode=as2&tag=e46f-20&linkId=6GNS436SHRXG7U5M)

**9) Radiator Fan Switch**

[link to buy](http://www.amazon.com/gp/product/B0096062K2/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B0096062K2&linkCode=as2&tag=e46f-20&linkId=WZ46GYJTEFPFQ3DO)

**10) Water Pump Pulley**

URO Aluminum [link to buy](http://www.amazon.com/gp/product/B0066QQWA4/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B0066QQWA4&linkCode=as2&tag=e46f-20&linkId=D6HKF7AAN624QIS4)

**11) Coolant drain crush washer at engine-block**

[link to buy](http://amzn.to/2hEUndE)

**12) Water pump pulley bolts (You can reuse these if you are careful)**

[link to buy](http://www.amazon.com/BMW-Hex-Head-Bolt-Washer/dp/B00TTJXGBI/ref=as_li_bk_tl/?tag=httpvgphotobl-20&linkId=4469040ff87dec36b6bf9b043e9d8b4d&linkCode=ktl)

**13) Belt Tensioner Pulley (Main central pulley)**

[link to buy](http://www.amazon.com/gp/product/B009GDKV0G/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B009GDKV0G&linkCode=as2&tag=e46f-20&linkId=DIB2OBQHKCW2NDAA)

**14) Alternator Deflector Pulley**

[link to buy](http://www.amazon.com/gp/product/B00K0NYBAW/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00K0NYBAW&linkCode=as2&tag=e46f-20&linkId=TM3C5ELQAPPVS5KC)  
  
**15) Coolant**  
[link to buy](http://amzn.to/2yOgVMi)  
  
**Bonus - Electric OEM/CoolXpert Puller Fan** (Manual transmissions or for those with auto transmission who \*want\* to do the swap  
[link to buy](http://amzn.to/2C6gNtP)

**A/C PULLEYS**

**See this thread before ordering to make sure which A/C pulley you need.** <http://www.e46fanatics.com/forum/showthread.php?t=974746>

**16) A/C Tensioner Pulley - Mechanical**

Dayco 89133 [link to buy](http://www.amazon.com/gp/product/B001C6ITTK/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B001C6ITTK&linkCode=as2&tag=e46f-20&linkId=VM33KII3OFX53QLB)  
  
***Alternative:***\*\*Thanks To Terra, you can also buy BMW X5 part for your hydraulic tensioner.  #[11287549557](http://amzn.to/2hEAfZ7)  it comes with a backing plate you won't be using. Discard it. Just reuse your bolt\*\*  
  
**16) A/C Tensioner Pulley - Hydraulic**  
[link to buy](http://amzn.to/2dl4Off)

**17) Alternator/accessory belt (Main large drive belt--The same across all model year cars)**

[link to buy](http://www.amazon.com/gp/product/B001G3R93Q/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B001G3R93Q&linkCode=as2&tag=e46f-20&linkId=FNBEQXCLKUH5VKSI)

**18) A/C belt (Differs dependent on your build date--see below)**

[link to buy](http://www.amazon.com/gp/product/B00HKHACUO/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00HKHACUO&linkCode=as2&tag=e46f-20&linkId=43TMHDXYF3FCU26T) (5-rib production date up to 9/2002)

or;

[link to buy](http://www.amazon.com/gp/product/B00BER2OPC/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00BER2OPC&linkCode=as2&tag=e46f-20&linkId=QAZWYLYZBJXI6V2D) (4-rib production date from 9/02)

**Expansion Tank Mounting Plate Manual Transmission (Optional--You may reuse--For manuals only)**[link to buy](http://www.amazon.com/gp/product/B00JJFH4ZQ/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00JJFH4ZQ&linkCode=as2&tag=e46f-20&linkId=GYB6SBRBA3GUGBG3)

**ATTENTION!!**

If your E46 has an **automatic transmission,** you'll need to ***add***at least **some**of the following parts to the above list:

**Automatic Transmission Expansion Tank Mounting Plate**(Again, optional--you may reuse)

Genuine BMW [link to buy](http://www.amazon.com/gp/product/B00HWN0J90/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00HWN0J90&linkCode=as2&tag=e46f-20&linkId=CTU4W2ZIQSMWOY6Q)

**Automatic Transmission Thermostat** (often crumbles apart upon removal of original--DO NOT GET CAUGHT WITH YOUR [PANTS](http://www.amazon.com/Dickies-Mens-Original-Black-38x30/dp/B000N8TEGU/ref=as_li_bk_tl/?tag=httpvgphotobl-20&linkId=2944795f42710d48d50bcc5eebfb091f&linkCode=ktl) DOWN ON THIS--**REQUIRED** FOR AUTOMATICS)

Genuine BMW [link to buy](http://www.amazon.com/gp/product/B00722UI6K/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00722UI6K&linkCode=as2&tag=e46f-20&linkId=UYTEDUQZBPIVC7D3)

**Automatic Transmission Fan blade (Optional yet recommended)**

Genuine BMW [link to buy](http://www.amazon.com/gp/product/B00H8AYWR2/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B00H8AYWR2&linkCode=as2&tag=e46f-20&linkId=SL6RRHWB32XZEWIF)

**Automatic Transmission Fan Clutch (Optional yet recommended)**

HELLA [link to buy](http://www.amazon.com/gp/product/B003E60T6M/ref=as_li_tl?ie=UTF8&camp=1789&creative=390957&creativeASIN=B003E60T6M&linkCode=as2&tag=e46f-20&linkId=XB62UHHTQMCO7AHN)  
  
**Automatic Transmission Cooler O-Rings. (Highly recommended as the old ones tend to not seal the same)** Order **two**of these for the transmission cooler.  
OEM [link to buy](http://amzn.to/2dv1xgJ)

**Prices, information, and brands/prices/links subject to change. These are current as of 9-25-16**  
 **The total cost for manual cars is around $500. For automatic cars, around $750 which includes the fan blade/clutch.**