

IAG Spec PPG 1st - 4th Straight Cut Synchro Gear Set 04+ STI, 07-09 LGT Spec B



IAG-DRV-1030 IAG Spec PPG 1st - 4th Straight Cut Synchro Gear Set 2004+ STI

Part# IAG-DRV-1030

Congratulations on the purchase of your IAG Straight Cut Gear Set, and thank you for choosing IAG Performance. This tech sheet is intended as a supplement to the factory service manual. **PROFESSIONAL INSTALLATION IS REQUIRED. DO NOT ATTEMPT THIS INSTALLATION WITHOUT EXPERIENCE REBUILDING OEM SUBARU 6 SPEED TRANSMISSIONS.**

Installation of this Gear set Requires Modification to the OEM Reverse Shift Fork. The procedure is outlined in the following steps.

Step 1/11

Step 2/11

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If the transmission you are using is from an 04-07 STI or 07-09 Spec B you will need to update the 1st-2nd selector hub and 1st-2nd Synchros to 2008 and up parts. Additionally, 2004,2005 and some 2006 transmissions will need to update the 3rd gear synchro (from 6 leg center ring to 4 leg center ring)

Part Numbers:

1st/2nd Selector Hub - 32605AA360

1st gear synchro - 32650AA210

2nd gear synchro - 32650AA220

3rd gear synchro - 32650AA160

Step 3/11

Numbered annotations (1)

- 1 Temporarily install the reverse shift fork to check clearance.



Step 4/11



Numbered annotations (1)

- 2 Mark the point of interference with the main shaft.

Step 5/11



Numbered annotations (1)

- 3 Remove the shift fork and continue the mark across the face. This will be your cut line.

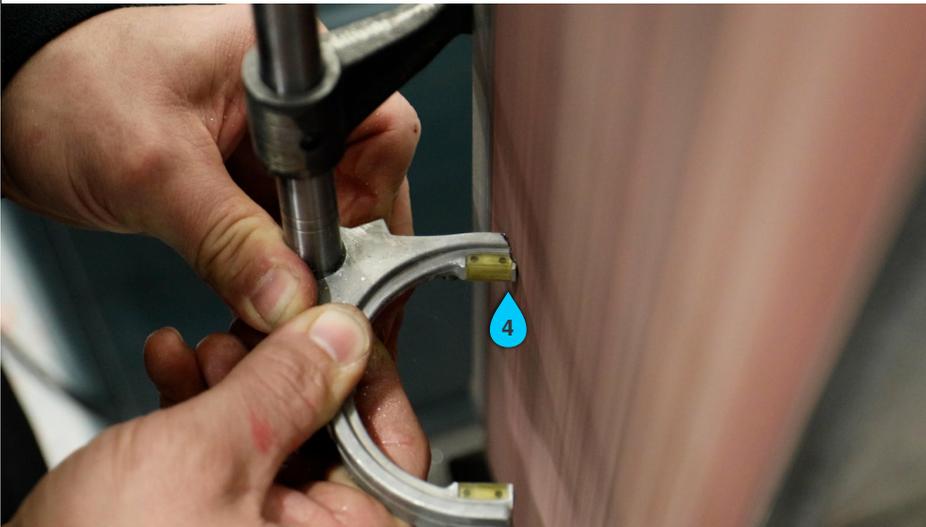
Step 6/11



Step 7/11

Numbered annotations (1)

- 4 Use a mill or sander to remove material from the fork until you reach your cut line.





Step 8/11

Numbered annotations (1)

- 5 Reinstall the fork to check clearance with the main shaft. Remove more material if necessary for clearance.



Step 9/11

Numbered annotations (1)

- 6 Deburr the fork to remove any sharp edges.

Step 10/11



Step 11/11

Numbered annotations (1)

- 7 Install the fork and finish reassembly.

