

Unit Standard 920

Describe the construction and operation of manual and semi automatic transmissions used on light vehicles

Level 3 Credit 4 v5

Student Name:

School:

Date:

Marked By: _____ **Mark** _____ **%**

Feedback: **Excellent work** **Please attempt all questions**
 Good work **Please resubmit**

USEFUL WEBLINKS

Manual Transmission

<http://youtu.be/IKywZ730JFs>

<http://youtu.be/QPaUJfA1KsY>

<http://youtu.be/vzYGcDZXgWQ?list=PLxyaRsQHmj8Z6BLsAb05RafeILvj-P8nD>

<http://youtu.be/MgmxydwmtTg>

<http://youtu.be/vOo3TLgL0kM>

Synchromesh

<http://youtu.be/r6hWAaE5VWY>

<http://youtu.be/MXsRfbOiBhE>

Gear Ratios

<http://youtu.be/B4j2VPHVm6o>

<http://youtu.be/odpsm3ybPsA>

Motorcycle Transmissions

<http://youtu.be/ggHjg3wUUxc>

<http://youtu.be/E2CybLSrN5Q>

Gears

<http://youtu.be/kUPjcKF3hA8>

<http://youtu.be/tOSQK5ZZzhg>

<http://youtu.be/aFvj6RQOLtM>

Powerflow

<http://youtu.be/RXdk6fNIBMI>

http://youtu.be/vOW_Expv4vA

16. Complete the following sentence.

As a _____ is being _____ the selector _____ moves
upward causing the _____ to move
the remaining _____ into position preventing them
from _____ and _____ another _____ at the same time.

17. In which direction should the output shaft turn when reverse gear has been selected? Explain how this direction is obtained.

18. Describe the stages that occur during gear synchronisation.

19. Explain the purpose for using sealed bearings within a transmission.

20. Identify each of the following components A-D.

