



J Range + Luna Line gearbox info

Last Updated 09.12.2019

J Range models Covered:

J50 – Cento – J125 – J125 Starstream – Super Starstream – S.I.L. Sunny

Luna Line Models covered:

Lui 50C/CL – Lui Vega Cometa 75 S/SL

Standard gearboxes & primary sprockets

J50 Early production

Front drive sprocket + clutch crownwheel = 14T (cushdrive)* x 45T

Cluster = 10-16-22T

1st gear cog 69T

2nd gear cog 64T

3rd gear cog 56T

Final drive ratio; 8.18-1

**only on very early production models*

J50 Mid Production

Front drive sprocket + clutch crownwheel = 13T (non cushdrive) x 46T

Cluster = 9-14-19T

1st 58T

2nd 54T

3rd 47T

Final drive ratio; 7.72-1

J50 Deluxe + J50 special + Lui 50C / CL

Front drive sprocket + clutch crownwheel = 11T (non cushdrive) x 47T

Cluster = 9-15-20T

1st 58T

2nd 53T

3rd 46T

Final drive ratio; 9.83-1

Lui Vega Cometa 75cc

Front drive sprocket + clutch crownwheel = 13T (non cushdrive) x 46T

Cluster = 9-13-16-20T

1st 49T

2nd 46T

3rd 42T

4th 39T

Final drive ratio; 6.90-1

Cento 100cc

Front drive sprocket + clutch crownwheel = 14T (with cushdrive) x 45T

Cluster = 10-15-21T

1st 48T

2nd 43T

3rd 39T

Final drive ratio; 5.97-1

J125 3-speed

Front drive sprocket + clutch crownwheel = 14T (with cushdrive) x 45T

Cluster = 11-16-21T

1st 48T

2nd 42T

3rd 37T

Final drive ratio; 5.66-1

J125 4-speed Starstream + Super Starstream

Front drive sprocket + clutch crownwheel = 14T (with cushdrive) x 45T

Cluster = 11-14-16-19T

1st 48T

2nd 44T

3rd 37T

4th 34T

Final drive ratio; 5.75-1

Vega5 5-speed for Lambretta J + Lui (all models)

Cluster = 10-13-16-18-20T

1st 44T

2nd 41T

3rd 37T

4th 33T

5th 31T

Standard + non-standard front sprockets

Non cushdrive type front sprockets = 11T – 12T – 13T – 14T – 15T

Cushdrive type front sprockets = 14T – 15T – 16T

Standard type clutch sprockets

J Range = 45 – 46 – 47T

Luna Line = 46 – 47T

Non-standard 'LunaMaster' clutch sprockets

J Range & Luna Line = 45 – 46 – 47T

This is the complete list of all possible front drive sprocket & clutch crownwheel sprocket combinations for all J Range and Luna Line models, complete with the required length chain (with 'live' product links):

45T Clutch Crownwheel Sprocket

45T clutch sprocket + [11T](#) front sprocket = [73 link chain](#)

45T clutch sprocket + [12T](#) front sprocket = **NO!**

45T clutch sprocket + [13T](#) front sprocket = [74 link chain](#)

45T clutch sprocket + [14T](#) front sprocket = [74 link chain](#)

45T clutch sprocket + [15T](#) front sprocket = [75 link chain](#)

45T clutch sprocket + [16T](#) front sprocket = [75 link chain](#)

46T Clutch crownwheel sprocket

46T clutch sprocket + [11T](#) front sprocket = **NO!**

45T clutch sprocket + [12T](#) front sprocket = [74 link chain](#)

46T clutch sprocket + [13T](#) front sprocket = **stretched 74 link chain**

46T clutch sprocket + [14T](#) front sprocket = [75 link chain](#)

46T clutch sprocket + [15T](#) front sprocket = [75 link chain](#)

46T clutch sprocket + [16T](#) front sprocket = [76 link chain](#)

47T Clutch crownwheel sprocket

47T clutch sprocket + [11T](#) front sprocket = [74 link chain](#)

47T clutch sprocket + [12T](#) front sprocket = **stretched 74 link chain**

47T clutch sprocket + [13T](#) front sprocket = [75 link chain](#)

47T clutch sprocket + [14T](#) front sprocket = **NO!**

47T clutch sprocket + [15T](#) front sprocket = **NO!**

47T clutch sprocket + [16T](#) front sprocket = [76 link chain](#)

For a full list of possible sprocket combinations and their relative final drive ratios, please visit Tony Cassidy's fantastic gearbox visulaser tool [HERE](#)

