

# VW 113/002 GEARS

Updated April 1, 2021

## RACING GEARS FOR VW 113/002

### HYBRID 113/002 SPLINED MAINSHAFTS (1STx2ND GEARS)

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| 4.13x2.46 | 3.75x2.08 | 3.44x2.08 | 3.11x2.08 |
| 3.75x2.46 | 3.44x2.36 | 3.44x1.93 | 3.11x1.93 |
| 3.75x2.25 | 3.44x2.25 | 3.11x2.25 |           |

3.11x2.25 due Apr  
3.75 1st due Apr

**Hybrid Splined Mainshafts** can be used with early or late 3rd and 4th gears, depending on customer preference. A special Weddle Racing slider hub is required. Reference part number 8AB-309.

**113 Style 3rd and 4th Gears** require a stock VW early style synchro cone to be pressed on, welded, honed, surface ground.

**Hybrid 113/002 Style 3rd and 4th Gears** require a special floating synchro cone, part number 8B6-CONE or 8B8-CONE. They can be used with early keyed mainshaft or late splined mainshaft.

### 113 STYLE 3RD GEARS

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 1.84 | 1.56 | 1.30 | 1.50 | 1.30 | 0.93 |
| 1.78 | 1.50 | 1.26 | 1.44 | 1.26 |      |
| 1.71 | 1.44 | 1.22 | 1.39 | 1.22 |      |
| 1.67 | 1.39 | 1.14 | 1.35 | 1.14 |      |
| 1.60 | 1.35 |      |      |      |      |

1.71 due May

### 113 STYLE 4TH GEARS

### HYBRID 113/002 3RDS

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 1.84 | 1.56 | 1.30 | 1.50 | 1.22 | 0.93 |
| 1.78 | 1.50 | 1.26 | 1.44 | 1.18 | 0.89 |
| 1.71 | 1.44 | 1.22 | 1.39 | 1.14 | 0.82 |
| 1.67 | 1.39 | 1.14 | 1.35 | 1.09 | 0.77 |
| 1.60 | 1.35 |      | 1.30 | 1.04 | 0.70 |

1.44 due Apr  
1.30 due May

### HYBRID 113/002 4THS

|      |      |      |
|------|------|------|
| 1.50 | 1.22 | 0.93 |
| 1.44 | 1.18 | 0.89 |
| 1.39 | 1.14 | 0.82 |
| 1.35 | 1.09 | 0.77 |
| 1.30 | 1.04 | 0.70 |
| 1.26 | 1.00 |      |

1.44 due Apr  
1.30 due May  
0.82 due July

## SPORTSMAN MODERATE DUTY GEARS

### SPORTSMAN 3RD GEARS

|      |      |
|------|------|
| 1.70 | 1.48 |
| 1.58 |      |

### SPORTSMAN 4TH GEARS

|      |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|
| 1.58 | 1.32K | 1.22K | 1.13K | 1.04K | 0.82  | 0.77  |
| 1.32 | 1.22  | 1.13  | 1.04  | 0.89  | 0.82K | 0.77K |

0.77K due Jul

**NOTE:** Dimensionally, our SPORTSMAN 3rd and 4th gears are similar to early 113 3rd and 4th gears. They require a stock VW early style synchro cone to be pressed on, welded, honed, surface ground. The teeth on our SPORTSMAN gears are not profile ground.

## RING & PINION SETS FOR VW 113/002

### VW TYPE 1 R&P SETS

|               |                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------|
| 4.86 (USA)    | 3.88 Keyed (China)                                                                            |
| 4.13 (Weddle) | 3.44 (Weddle)                                                                                 |
| 3.88 (Weddle) | 3.44 (Weddle) due Aug<br>3.88 (Weddle) due Sep<br>4.13 (Weddle) due Oct<br>3.88 Keyed due May |

### VW 002 BUS R&P SETS

|                          |                  |
|--------------------------|------------------|
| 4.86 (Weddle)            | 4.13 (Weddle)    |
| 4.57 (Weddle)            | 4.13 (Sportsman) |
| 4.57 (Sportsman)         |                  |
| 4.57 (Sportsman) due Jul |                  |

# VW 091, 094 GEARS

## VW 091 GEARS

| 091 MAINSHAFTS (1STx2ND GEARS)        |               |               | 091 3RD GEARS                                                |      |      | 091 4TH GEARS                                                                                |      |      |
|---------------------------------------|---------------|---------------|--------------------------------------------------------------|------|------|----------------------------------------------------------------------------------------------|------|------|
| 3.75x2.36                             | 3.44x2.25     | 3.11x2.25     | 1.84                                                         | 1.56 | 1.30 | 1.56                                                                                         | 1.22 | 0.82 |
| 3.75x2.08                             | 3.44x2.17     | 3.11x2.08     | 1.78                                                         | 1.50 | 1.26 | 1.50                                                                                         | 1.18 | 0.77 |
| 3.44x2.36                             | 3.44x2.08     | 3.11x1.93     | 1.75                                                         | 1.47 | 1.22 | 1.47                                                                                         | 1.14 | 0.75 |
| 3.11x2.08 due May<br>3.11 1st due Jun |               |               | 1.71                                                         | 1.44 | 1.18 | 1.44                                                                                         | 1.09 | 0.73 |
|                                       |               |               | 1.67                                                         | 1.39 | 1.14 | 1.39                                                                                         | 1.04 | 0.70 |
|                                       |               |               | 1.60                                                         | 1.35 | 1.09 | 1.35                                                                                         | 1.00 |      |
|                                       |               |               |                                                              |      |      | 1.30                                                                                         | 0.93 |      |
|                                       |               |               | 1.78 due May<br>1.71 due Jun<br>1.44 due May<br>1.09 due May |      |      | 1.26                                                                                         | 0.89 |      |
|                                       |               |               |                                                              |      |      | 1.44 due May<br>1.09 due May<br>0.89 due May<br>0.77 due Apr<br>0.75 due Apr<br>0.70 due Apr |      |      |
| VW 091 RING & PINION SETS             |               |               |                                                              |      |      |                                                                                              |      |      |
| 091 R&P SETS                          |               |               |                                                              |      |      |                                                                                              |      |      |
| 5.86 (VW)                             | 5.14 (Weddle) | 4.13 (Weddle) |                                                              |      |      |                                                                                              |      |      |
| 5.50 (VW)                             | 4.86 (Weddle) |               |                                                              |      |      |                                                                                              |      |      |
| 5.43 (VW)                             | 4.57 (Weddle) |               |                                                              |      |      |                                                                                              |      |      |

## VW 091 RING & PINION SETS

### 091 R&P SETS

## VW 094 GEARS

| 094 4-SPEED MAINSHAFTS |           | 094 3RD GEARS                |      |      | 094 4TH GEARS                                |      |                                              |      |
|------------------------|-----------|------------------------------|------|------|----------------------------------------------|------|----------------------------------------------|------|
| 3.44x2.25              | 2.90x1.93 | 1.75                         | 1.35 | 1.14 | 1.39                                         | 1.18 | 0.93                                         | 0.73 |
| 3.44x2.08              | 2.90x1.86 | 1.50                         | 1.30 | 1.09 | 1.35                                         | 1.14 | 0.89                                         | 0.70 |
| 2.25 2nd due May       |           | 1.47                         | 1.26 |      | 1.30                                         | 1.09 | 0.82                                         |      |
|                        |           | 1.44                         | 1.22 |      | 1.26                                         | 1.04 | 0.77                                         |      |
|                        |           | 1.39                         | 1.18 |      | 1.22                                         | 1.00 | 0.75                                         |      |
|                        |           | 1.44 due May<br>1.09 due May |      |      | 1.44 due May<br>1.09 due May<br>0.89 due May |      | 0.77 due Apr<br>0.75 due Apr<br>0.70 due Apr |      |

## VW 094 RING & PINION SETS

| 094 4-SPEED R&P SETS                           |               | 094 5-SPEED R&P SETS  |               | 094 4WD VANAGON SYNCRO R&P SETS |                     |
|------------------------------------------------|---------------|-----------------------|---------------|---------------------------------|---------------------|
| 5.86 (VW)                                      | 4.57 (Weddle) | 5.50 (VW)             | 4.57 (Weddle) | 5.83 Rear (Weddle)              | 6.17 Front (Weddle) |
| 5.50 (VW)                                      | 4.13 (Weddle) | 4.83 (VW)             |               | 4.86 Rear (Weddle)              | 5.83 Front (Weddle) |
| 5.43 (VW)                                      |               | 4.57 (Weddle) due Aug |               | 4.57 Rear (Weddle)              | 5.43 Front (Weddle) |
| 4.86 (Weddle)                                  |               |                       |               |                                 | 4.86 Front (VW)     |
| 4.86 (Weddle) due Apr<br>4.57 (Weddle) due Aug |               |                       |               |                                 | 4.57 Front (VW)     |

# WEDDLE HV GEARS

## WEDDLE HV1 GEARS

| HV1 MAINSHAFTS         |               | HV1 3RD GEARS                |      |      |                 | HV1 4TH GEARS                                |                 |                              |                 |
|------------------------|---------------|------------------------------|------|------|-----------------|----------------------------------------------|-----------------|------------------------------|-----------------|
| 3.44x2.08              | 3.11x1.86     | 1.50                         | 1.39 | 1.26 | 1.14            | 1.35                                         | 1.18            | 1.00                         | <del>0.77</del> |
|                        |               | 1.47                         | 1.35 | 1.22 | <del>1.09</del> | 1.30                                         | 1.14            | 0.93                         | <del>0.75</del> |
|                        |               | <del>1.44</del>              | 1.30 | 1.18 |                 | 1.26                                         | <del>1.09</del> | <del>0.89</del>              | 0.73            |
|                        |               |                              |      |      |                 | 1.22                                         | 1.04            | 0.82                         | <del>0.70</del> |
| HV1 RING & PINION SETS |               | 1.44 due May<br>1.09 due May |      |      |                 | 1.09 due May<br>0.89 due May<br>0.77 due Apr |                 | 0.75 due Apr<br>0.70 due Apr |                 |
| 5.43 (Weddle)          | 5.14 (Weddle) |                              |      |      |                 |                                              |                 |                              |                 |

## WEDDLE HV2 4-SPEED AND 5-SPEED GEARS

| HV2 MAINSHAFTS                 |                      | HV2 3RD GEARS |      |      | HV2 4TH GEARS                  |      |                          | HV2 5TH GEARS |      |      |
|--------------------------------|----------------------|---------------|------|------|--------------------------------|------|--------------------------|---------------|------|------|
| 3.44x2.17*                     | 2.90x2.17            | 1.84          | 1.56 | 1.30 | 1.67                           | 1.35 | 1.09                     | 1.44          | 1.22 | 1.00 |
| 3.11x2.17                      | 2.90x2.08            | 1.78          | 1.50 | 1.26 | 1.60                           | 1.30 | 1.04                     | 1.39          | 1.18 | 0.89 |
| 3.11x2.08                      | <del>2.90x1.93</del> | 1.71          | 1.44 | 1.22 | 1.56                           | 1.26 | 1.00                     | 1.35          | 1.14 | 0.82 |
| <del>3.11x1.93</del>           | 2.90x1.86            | 1.67          | 1.39 | 1.18 | 1.50                           | 1.22 | 0.89                     | 1.30          | 1.09 | 0.75 |
| 3.11x1.86*                     | 1.93 2nd due Apr     | 1.60          | 1.35 | 1.14 | 1.44                           | 1.18 |                          | 1.26          | 1.04 |      |
| *4-Speed only                  |                      |               |      |      | 1.39                           | 1.14 |                          |               |      |      |
| HV2 4-SPEED RING & PINION SETS |                      |               |      |      | HV2 5-SPEED RING & PINION SETS |      |                          |               |      |      |
| 5.43 (Weddle)                  |                      | 4.86 (Weddle) |      |      | 5.43 (Weddle)                  |      | 4.86 (Weddle)            |               |      |      |
| 5.14 (Weddle)                  |                      |               |      |      | 5.14 (Weddle)                  |      | <del>3.56 (Weddle)</del> |               |      |      |
|                                |                      |               |      |      | 3.56 due May                   |      |                          |               |      |      |

# MD4-2D GEARS

## MD4-2D 4-SPEED GEARS

| MD4-2D MAINSHAFTS         |           | MD4-2D 3RD GEARS         |      |      | MD4-2D 4TH GEARS                                                                             |                 |      |                 |                 |                 |
|---------------------------|-----------|--------------------------|------|------|----------------------------------------------------------------------------------------------|-----------------|------|-----------------|-----------------|-----------------|
| 3.11x2.17                 | 2.90x2.08 | 1.84                     | 1.60 | 1.44 | 1.60                                                                                         | <del>1.44</del> | 1.26 | <del>1.09</del> | <del>0.89</del> | 0.73            |
| 3.11x2.08                 | 2.90x1.93 | 1.78                     | 1.56 | 1.39 | 1.56                                                                                         | 1.39            | 1.22 | 1.04            | 0.82            | <del>0.70</del> |
| 3.11x1.93                 | 2.90x1.86 | <del>1.67</del>          | 1.50 | 1.35 | 1.50                                                                                         | 1.35            | 1.18 | 1.00            | <del>0.77</del> |                 |
|                           |           |                          |      |      | 1.47                                                                                         | 1.30            | 1.14 | 0.93            | <del>0.75</del> |                 |
|                           |           |                          |      |      | 1.67 due April                                                                               |                 |      |                 |                 |                 |
| MD4-2D RING & PINION SETS |           |                          |      |      | 1.44 due May<br>1.09 due May<br>0.89 due May<br>0.77 due Apr<br>0.75 due Apr<br>0.70 due Apr |                 |      |                 |                 |                 |
| 6.14 (Weddle)             |           | 5.14 (Weddle)            |      |      | 3.88 (Weddle)                                                                                |                 |      |                 |                 |                 |
| <del>5.43 (Weddle)</del>  |           | <del>4.86 (Weddle)</del> |      |      | 3.88 due Jul, 5.14 due Apr, 5.43 due May                                                     |                 |      |                 |                 |                 |

# MD5 GEARS

## MD5-SPEED GEARS

| MD5 MAINSHAFTS         |               |  | MD5 3RD GEARS   |      |      | MD5 4TH GEARS |                 |              |                 | MD5 5TH GEARS   |              |                 |                 |
|------------------------|---------------|--|-----------------|------|------|---------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|
| 3.11x2.17              | 2.90x2.08     |  | 1.84            | 1.60 | 1.44 | 1.60          | <del>1.44</del> | 1.26         | <del>1.09</del> | 1.50            | 1.30         | <del>1.09</del> | 0.82            |
| 3.11x2.08              |               |  | 1.78            | 1.56 | 1.39 | 1.56          | 1.39            | 1.22         | 1.04            | 1.47            | 1.26         | 1.04            | <del>0.77</del> |
|                        |               |  | <del>1.67</del> | 1.50 | 1.35 | 1.50          | 1.35            | 1.18         | 1.00            | <del>1.44</del> | 1.22         | 1.00            | <del>0.75</del> |
| MD5 RING & PINION SETS |               |  | 1.67 due April  |      |      | 1.47          | 1.30            | 1.14         | 0.93            | 1.39            | 1.18         | 0.93            | 0.73            |
| 5.43 (Weddle)          | 4.86 (Weddle) |  |                 |      |      |               |                 |              |                 | 1.35            | 1.14         | <del>0.89</del> | <del>0.70</del> |
| 5.14 (Weddle)          |               |  |                 |      |      |               | 1.44 due May    | 1.09 due May |                 |                 | 1.44 due May | 1.09 due May    | 0.89 due May    |
|                        |               |  |                 |      |      |               |                 |              |                 |                 | 0.77 due Apr | 0.75 due Apr    | 0.70 due Apr    |

# SEQUENTIAL GEARS

## LQ 6-SPEED GEARS

| LQ 1ST GEARS          |               |      | LQ 2ND GEARS |      | LQ 3RD, 4TH, 5TH, 6TH GEARS |      |      |
|-----------------------|---------------|------|--------------|------|-----------------------------|------|------|
| 3.17                  | 2.71          | 2.54 | 2.27         | 2.13 | 1.86                        | 1.35 | 1.21 |
| LQ RING & PINION SETS |               |      |              |      |                             |      |      |
| 4.86 (Weddle)         | 4.57 (Weddle) |      |              |      |                             |      |      |

## S4 AND S5 GEARS

| S4 1ST GEARS                 |      |                          | S4 2ND, 3RD, 4TH GEARS           |                            |                        |                          |                 |                 |                 |                 |
|------------------------------|------|--------------------------|----------------------------------|----------------------------|------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|
| 3.27                         | 3.09 | <del>2.91</del>          | 2.21                             | 1.93                       | <del>1.59</del>        | 1.44                     | <del>1.26</del> | 1.10            | 2.14 due Jun    |                 |
| 2.91 due Jun                 |      |                          | <del>2.14</del>                  | 1.75                       | 1.56                   | 1.37                     | <del>1.20</del> | 1.04            | 1.59 due May    |                 |
|                              |      |                          | 2.08                             | 1.67                       | 1.50                   | 1.32                     | 1.14            |                 | 1.26 due May    |                 |
|                              |      |                          |                                  |                            |                        |                          |                 |                 | 1.20 due Jun    |                 |
| S5 1ST GEARS                 |      |                          | S5 2ND GEARS                     |                            | S5 3RD, 4TH, 5TH GEARS |                          |                 |                 |                 |                 |
| 3.27                         | 3.09 | <del>2.91</del>          | 2.21                             | 2.08                       | 1.86                   | <del>1.67</del>          | 1.50            | <del>1.32</del> | 1.14            | 1.00            |
|                              |      |                          | 2.14                             | 1.93                       | <del>1.79</del>        | 1.59                     | <del>1.44</del> | 1.26            | 1.10            | <del>0.89</del> |
| 2.91 due Apr                 |      |                          | 2.21 due May                     |                            | 1.75                   | 1.56                     | <del>1.37</del> | <del>1.20</del> | <del>1.04</del> | 1.14 due May    |
| 3.09 due May                 |      |                          |                                  |                            | 1.79 due Aug           | 1.44 due May             |                 | 1.32 due Jun    |                 | 1.04 due May    |
| 3.27 due May                 |      |                          |                                  |                            | 1.67 due Apr           | 1.37 due Apr             |                 | 1.20 due Jun    |                 | 0.89 due Apr    |
| S4/S5 10" RING & PINION SETS |      |                          | S4D/S5D 11.5" RING & PINION SETS |                            |                        |                          |                 |                 |                 |                 |
| 5.14 (Weddle)                |      | <del>4.63 (Weddle)</del> |                                  | <del>4.88 (Weddle)</del>   |                        | <del>4.63 (Weddle)</del> |                 |                 |                 |                 |
| 4.86 (Weddle)                |      | <del>3.56 (Weddle)</del> |                                  | 4.63 due May, 4.88 due May |                        |                          |                 |                 |                 |                 |
| 4.63 due May, 3.56 due May   |      |                          |                                  |                            |                        |                          |                 |                 |                 |                 |