

| Chassis          | Years   | Model        | ASx? | Ratio | Size  | Housing       | Rear Cover    | Carrier       | Prop flange   | Flex disc     | Axle flange   | Axle shaft    | Notes                      |
|------------------|---|--------------|------|-------|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------------------|
| 201.034          | 1987  | 190E-16      | LSD  | 3.27  | 185mm | 124-351-06-05 | 124-351-06-08 | 124-350-93-23 | 211-350-00-45 | 202-410-13-15 | 124-350-55-45 | 201-350-81-10 | From VIN #F205611          |
| 124.133/193      | 1987  | 300D/TD      | No   | 2.65  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-83-23 | 126-350-14-45 | 126-410-04-15 | 208-350-01-45 | 129-350-40-10 | (new axle 210-350-84-10)   |
| 124.036          | 1992-94   | E500         | ASR  | 2.82  | 210mm | 129-351-05-05 | 129-351-16-08 | 126-350-09-23 | 126-350-16-45 | 129-410-01-15 | 126-350-19-45 | 124-350-87-10 |                            |
| 124.026          | 1987-89   | 260E         | No   | 3.27  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 | (new axle 210-350-84-10)   |
| 124.026          | 1990-91   | 260E         | No   | 3.07  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.026          | 1992  | 260E         | No   | 2.87  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.026          | 1990-91   | 260E         | ASR  | 3.07  | 185mm | 124-351-07-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 124-350-61-45 | 129-350-41-10 |                            |
| 124.026          | 1992  | 260E         | ASR  | 2.87  | 185mm | 124-351-07-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 124-350-61-45 | 129-350-41-10 |                            |
| 124.030          | 1986-89   | 300E         | No   | 3.07  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 | From VIN #A203047          |
| 124.030          | 1990-92   | 300E         | No   | 2.87  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.030          | 1990-92   | 300E         | ASR  | 2.87  | 185mm | 124-351-07-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 124-350-61-45 | 129-350-41-10 |                            |
| 124.028/032/0992 | 1993-95   | E320/E280    | No   | 2.65  | 210mm | 129-351-04-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-08-45 | 129-350-38-10 |                            |
| 124.028/032/0992 | 1993-95   | E320/E280    | ASR  | 2.65  | 210mm | 129-351-05-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-09-45 | 129-350-41-10 |                            |
| 124.034          | 1992-95   | E420 USA     | No   | 2.24  | 210mm | 129-351-04-05 | 129-351-16-08 | 126-350-34-23 | 126-350-16-45 | 129-410-01-15 | 126-350-18-45 | 129-350-27-10 |                            |
| 124.034          | 1992-95   | E420 USA     | ASR  | 2.24  | 210mm | 129-351-05-05 | 129-351-16-08 | 126-350-34-23 | 126-350-16-45 | 129-410-01-15 | 126-350-19-45 | 124-350-87-10 |                            |
| 124.034          | 1992-95   | E420 Euro    | No   | 2.65  | 210mm | 129-351-04-05 | 129-351-16-08 | 126-350-09-23 | 126-350-16-45 | 129-410-01-15 | 126-350-18-45 | 129-350-27-10 |                            |
| 124.034          | 1992-95   | E420 Euro    | ASR  | 2.65  | 210mm | 129-351-05-05 | 129-351-16-08 | 126-350-09-23 | 126-350-16-45 | 129-410-01-15 | 126-350-19-45 | 124-350-87-10 |                            |
| 124.036          | 1992-94   | E500         | ASR  | 2.82  | 210mm | 129-351-05-05 | 129-351-16-08 | 126-350-09-23 | 126-350-16-45 | 129-410-01-15 | 126-350-19-45 | 124-350-87-10 |                            |
| 124.050          | 1988-89   | 300CE        | No   | 3.07  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 | (new axle 210-350-84-10)   |
| 124.051          | 1990  | 300CE        | No   | 3.27  | 210mm | 129-351-04-05 | 124-351-34-08 | 140-350-27-23 | 211-350-01-45 | 210-410-08-15 | 129-350-08-45 | 129-350-38-10 |                            |
| 124.051          | 1991-92   | 300CE        | No   | 3.06  | 210mm | 129-351-04-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-08-45 | 129-350-38-10 |                            |
| 124.051          | 1990  | 300CE        | ASR  | 3.27  | 210mm | 129-351-05-05 | 124-351-34-08 | 140-350-27-23 | 211-350-01-45 | 210-410-08-15 | 129-350-09-45 | 129-350-41-10 |                            |
| 124.051          | 1991-92   | 300CE        | ASR  | 3.06  | 210mm | 129-351-05-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-09-45 | 129-350-41-10 |                            |
| 124.052/066      | 1993-95   | Cpe/Cabrio   | No   | 2.65  | 210mm | 129-351-04-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-08-45 | 129-350-38-10 |                            |
| 124.052/066      | 1993-95   | Cpe/Cabrio   | ASR  | 2.65  | 210mm | 129-351-05-05 | 124-351-34-08 | 126-350-09-23 | 211-350-01-45 | 210-410-08-15 | 129-350-09-45 | 129-350-41-10 |                            |
| 124.090          | 1988-89   | 300TE        | No   | 3.27  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.090          | 1990  | 300TE        | No   | 3.27  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.090          | 1991-92   | 300TE        | No   | 2.87  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 |                            |
| 124.090          | 1990  | 300TE        | ASR  | 3.27  | 185mm | 124-351-07-05 | 124-351-25-08 | 124-350-63-23 | 211-350-00-45 | 202-410-13-15 | 124-350-61-45 | 129-350-41-10 |                            |
| 124.090          | 1991-92   | 300TE        | ASR  | 2.87  | 185mm | 124-351-07-05 | 124-351-25-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 124-350-61-45 | 129-350-41-10 |                            |
| 124.128          | 1990-93   | 300D 2.5T    | No   | 2.65  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-83-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 | Cover -37-08 after B976852 |
| 124.128          | 1990-93   | 300D 2.5T    | ASD  | 2.65  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-92-23 | 211-350-00-45 | 202-410-13-15 | 124-350-58-45 | 129-350-41-10 | Cover -37-08 after B976852 |
| 124.131          | 1995  | E300         | No   | 2.87  | 185mm | 124-351-06-05 | 124-351-30-08 | 124-350-64-23 | 211-350-00-45 | 202-410-13-15 | 208-350-01-45 | 129-350-40-10 | Cover -37-08 after B976852 |
| 124.131          | 1995  | E300         | ASD  | 2.87  | 185mm | 124-351-06-05 | 124-351-30-08 | 124-350-94-23 | 211-350-00-45 | 202-410-13-15 | 124-350-58-45 | 129-350-41-10 | Cover -37-08 after B976852 |
| 124.133/193      | 1987  | 300D/TD      | No   | 2.65  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-83-23 | 126-350-14-45 | 126-410-04-15 | 208-350-01-45 | 129-350-40-10 | (new axle 210-350-84-10)   |
| 124.230          | 1990-93   | 300E 4Matic  | ASD  | 3.07  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-93-23 | 211-350-00-45 | 202-410-13-15 | 124-350-58-45 | 129-350-41-10 | Cover -37-08 after B976852 |
| 124.290          | 1990-93   | 300TE 4Matic | ASD  | 3.29  | 185mm | 124-351-06-05 | 124-351-25-08 | 124-350-93-23 | 211-350-00-45 | 202-410-13-15 | 124-350-58-45 | 129-350-41-10 |                            |
| Notes:           | Any 185mm diff can be converted to limited-slip, non-ASD, by obtaining a 1990-95 diesel differential (with ASD) by replacing the driveshaft (input) flange, axle (output) flanges, axle flange seals, and rear cover, as necessary. |              |      |       |       |               |               |               |               |               |               |               |                            |
|                  | Upgrading a medium (185mm) diff to large size (210mm) diff is possible with flange & cover swapping.  |              |      |       |       |               |               |               |               |               |               |               |                            |
|                  | Converting a 210mm diff to LSD can be more complex: the housings are different for ASR and ABS, you must use the same type currently on your car.   |              |      |       |       |               |               |               |               |               |               |               |                            |
|                  | The small diff used in the 201 diesels has a 0.7L housing with 168mm ring gear.   |              |      |       |       |               |               |               |               |               |               |               |                            |

| Chassis     | Years     | Model   | ASx? | Ratio | Case Size | Gear Size | Housing       | Rear Cover    | Carrier       | Axle flange   | Axle shaft    | Prop flange   | Flex disc     | Prop Flange | Flex Disc | Notes                       |
|-------------|-----------|---------|------|-------|-----------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-----------|-----------------------------|
| 201.034     | 1987      | 190E-16 | LSD  | 3.27  | 1.1L      | 185mm     | 124-351-06-05 | 124-351-06-08 | 124-350-93-23 | 124-350-55-45 | 201-350-81-10 | 211-350-00-45 | 202-410-13-15 | 3 bolt      |           | From VIN #F205611           |
| 124.133/193 | 1987      | 300D/TD | No   | 2.65  | 1.1L      | 185mm     | 124-351-06-05 | 124-351-25-08 | 124-350-83-23 | 208-350-01-45 | 129-350-40-10 | 126-350-14-45 | 126-410-04-15 | 3 bolt      | 100mm     | (new axle 210-350-84-10)    |
| 124.036     | 1992-94   | E500    | ASR  | 2.82  | 1.3L      | 210mm     | 129-351-05-05 | 129-351-16-08 | 126-350-09-23 | 126-350-19-45 | 124-350-87-10 | 126-350-16-45 | 129-410-01-15 | 4 bolt      | 110mm     |                             |
| 129.063     | 1992-1994 | SL320   | No   | 3.69  | 1.3L      | 210mm     | 129-351-04-05 | 129-351-16-08 | 140-350-27-23 | 129-350-08-45 | 129-350-38-10 | 211-350-02-45 | 170-410-00-15 | 3 bolt      | 100mm     | Housing with side covers    |
| 129.063     | 1992-1994 | SL320   | ASR  | 3.69  | 1.3L      | 210mm     | 129-351-05-05 | 129-351-16-08 | 140-350-27-23 | 129-350-09-45 | 129-450-41-10 | 211-350-02-45 | 170-410-00-15 | 3 bolt      | 100mm     | Housing with side covers    |
| 129.063     | 1995      | SL320   | ASR  | 3.70  | 1.1L      | 198mm     | 210-351-08-05 | 129-350-08-36 | 202-350-00-23 | 220-350-25-45 | 210-350-09-56 | 220-350-22-45 | 170-410-00-15 | 3 bolt      | 100mm     | Housing without side covers |
| 129.063     | 1996      | SL320   | ASR  | 3.67  | 1.1L      | 198mm     | 210-351-08-05 | 129-350-08-36 | 202-350-00-23 | 220-350-25-45 | 210-350-09-56 | 220-350-22-45 | 170-410-00-15 | 3 bolt      | 100mm     | Housing without side covers |
| 129.063     | 1997-up   | SL320   | ASR  | 3.45  | 1.1L      | 198mm     | 210-351-08-05 | 129-350-08-36 | 202-350-00-23 | 220-350-25-45 | 210-350-09-56 | 220-350-22-45 | 170-410-00-15 | 3 bolt      | 100mm     | Housing without side covers |
| 129.066     | 1990-1992 | 500SL   | No   | 2.65  | 1.3L      | 210mm     | 129-351-04-05 | 129-351-16-08 | 126-350-09-23 | 126-350-18-45 | 129-350-27-10 | 126-350-16-45 | 129-410-01-15 | 4 bolt      | 110mm     |                             |
| 129.066     | 1990-1992 | 500SL   | ASR  | 2.65  | 1.3L      | 210mm     | 129-351-05-05 | 129-351-16-08 | 126-350-09-23 | 126-350-19-45 | 124-350-87-10 | 126-350-16-45 | 129-410-01-15 | 4 bolt      | 110mm     |                             |
| 129.067     | 1993-94   | SL500   | ASR  | 2.65  | 1.4L      | 210mm     | 140-351-04-05 | 129-350-04-36 | 140-350-12-23 | 140-350-01-45 | 129-450-43-10 | 140-350-14-45 | 129-410-01-15 | 4 bolt      | 110mm     |                             |
| 129.067     | 1995      | SL500   | ASR  | 2.65  | 1.4L      | 210mm     | 140-351-04-05 | 129-350-04-36 | 140-350-12-23 | 140-350-10-45 | 129-450-61-10 | 140-350-14-45 | 129-410-01-15 | 4 bolt      | 110mm     |                             |
| 129.067     | 1996-98   | SL500   | ASR  | 2.65  | 1.4L      | 210mm     | 140-351-04-05 | 129-350-04-36 | 140-350-12-23 | 140-350-10-45 | 129-450-61-10 | 140-350-17-45 | 210-410-06-15 | 3 bolt      | 110mm     |                             |
| 129.068     | 1999-02   | SL500   | ASR  | 2.65  | 1.6L      | 210mm     | 220-351-04-05 | 129-351-34-08 | 220-350-06-23 | 220-350-19-45 | 129-450-65-10 | 220-350-23-45 | 210-410-06-15 | 3 bolt      | 110mm     |                             |
| 129.076     | 1993-94   | SL600   | ASR  | 2.65  | 1.4L      | 210mm     | 140-351-04-05 | 129-350-04-36 | 140-350-12-23 | 140-350-01-45 | 129-450-43-10 | 140-350-14-45 | 129-410-01-15 | 4 bolt      | 110mm     | 4-bolt prop flange, 110mm   |
| 129.076     | 1995-98   | SL600   | ASR  | 2.65  | 1.4L      | 210mm     | 140-351-04-05 | 129-350-04-36 | 140-350-12-23 | 140-350-10-45 | 129-450-61-10 | 140-350-14-45 | 129-410-01-15 | 4 bolt      | 110mm     | Up to Jan-31, 1998          |
| 129.076     | 1999-02   | SL600   | ASR  | 2.65  | 1.6L      | 210mm     | 220-351-04-05 | 129-351-34-08 | 220-350-06-23 | 220-350-19-45 | 129-450-65-10 | 220-350-24-45 | 129-410-01-15 | 4 bolt      | 110mm     | as of Feb-1, 1998           |

| Chassis   | Years   | Model     | ASx? | Ratio | Case Size | Gear Size | Housing  | Side Cover    | Rear Cover    | Carrier       | Axle flange   | Axle shaft    | Prop flange   | Flex disc     | Prop Flange | Flex Disc | Notes                       |
|---|---------|-----------|------|-------|-----------|-----------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-----------|-----------------------------|
| 201.034   | 1987    | 190E-16   | LSD  | 3.27  | 1.1L      | 185mm     | 124-351-06-05  | N/A           | 124-351-06-08 | 124-350-93-23 | 124-350-55-45 | 201-350-81-10 | 211-350-00-45 | 202-410-13-15 |             |           | From VIN #F205611           |
| 124.133/193   | 1987    | 300D/TD   | No   | 2.65  | 1.1L      | 185mm     | 124-351-06-05  | N/A           | 124-351-25-08 | 124-350-83-23 | 208-350-01-45 | 129-350-40-10 | 126-350-14-45 | 126-410-04-15 |             |           | (new axle 210-350-84-10)    |
| 124.032   | 1993-95 | E320/E280 | No   | 2.65  | 1.3L      | 210mm     | 129-351-04-05  | 126-353-01-06 | 124-351-34-08 | 126-350-09-23 | 129-350-08-45 | 129-350-38-10 | 211-350-01-45 | 210-410-08-15 |             |           |                             |
| 124.034   | 1992-95 | E420      | No   | 2.24  | 1.3L      | 210mm     | 129-351-04-05  | 126-353-01-06 | 129-351-16-08 | 126-350-34-23 | 126-350-18-45 | 129-350-27-10 | 126-350-16-45 | 129-410-01-15 | 4-bolt      | 110mm     |                             |
| 124.036   | 1992-94 | E500      | ASR  | 2.82  | 1.3L      | 210mm     | 129-351-05-05  | 126-353-04-06 | 129-351-16-08 | 126-350-09-23 | 126-350-19-45 | 124-350-87-10 | 126-350-16-45 | 129-410-01-15 | 4-bolt      | 110mm     |                             |
| 140.134   | 1992-95 | S350      | No   | 2.82  |           | 210mm     | 129-351-06-05  | 126-353-01-06 | 140-351-24-08 | 126-350-09-23 | 129-350-08-45 | 140-350-34-10 | 126-350-16-45 | 129-410-01-15 |             |           | Up to A212244, ASD was opt. |
| 140.134   | 1992-95 | S350      | ASD  | 2.82  | 1.3L      | 210mm     | 129-351-04-05  | 129-350-0x-02 | 140-351-24-08 | 126-350-40-23 | 124-350-58-45 | 140-350-35-10 | 126-350-16-45 | 129-410-01-15 |             |           | Up to A212244, ASD was opt. |
| 140.134   | 1992-95 | S350      | ?    | 2.82  |           | 210mm     | 129-351-06-05  | 126-353-01-06 | 140-351-24-08 | 126-350-09-23 | 129-350-08-45 | 140-350-85-10 | 126-350-16-45 | 129-410-01-15 |             |           | From A212245, ASR std??     |
| 140.043   | 1992-99 | S420      | No   | 2.82  | 1.3L      | 210mm     | 129-351-04-05  | 126-353-01-06 | 140-351-24-08 | 126-350-09-23 | 126-350-18-45 | 140-350-69-10 | 126-350-16-45 | 129-410-01-15 |             |           | Up to A212244, ASR was opt. |
| 140.043   | 1992-99 | S420      | ASR  | 2.82  | 1.3L      | 210mm     | 129-351-05-05  | 126-353-04-06 | 140-351-24-08 | 126-350-09-23 | 126-350-19-45 | 140-350-40-10 | 126-350-16-45 | 129-410-01-15 |             |           | Up to A212244, ASR was opt. |
| 140.043   | 1992-99 | S420      | ASR  | 2.82  |           | 210mm     | 129-351-06-05  | 126-353-01-06 | 140-351-24-08 | 126-350-09-23 | 126-350-18-45 | 140-350-81-10 | 126-350-16-45 | 129-410-01-15 |             |           | From A212245, ASR std??     |
| <i>Note: VIN break is mid-1995 model year... 1994's are OK, 1996 is not (for W124 swap). Early 1995 should be OK - check VIN.</i> |         |           |      |       |           |           |  |               |               |               |               |               |               |               |             |           |                             |
|   |         |           |      |       | Code      |           |  | #211 = ASD    |               |               |               |               |               |               |             |           |                             |
|   |         |           |      |       | Code      |           |  | #471 = ASR    |               |               |               |               |               |               |             |           |                             |
| 140.032/033   | 1992-19 | S320      | Opt. | 3.xx  |           |           | Note: All S320 models have axle ratios between 3.45-3.69 due to 5-speed transmission       |               |               |               |               |               |               |               |             |           |                             |
| 140.051/070   | 1992-99 | S500      | Opt. | 2.65  |           |           | Note: All S500 models use the 'large' 140 diff with 1.4L case, not bolt-in swap for a W124 |               |               |               |               |               |               |               |             |           |                             |
| 140.057/076   | 1992-99 | S600      | Std. | 2.65  |           |           | Note: All S600 models use the 'large' 140 diff with 1.4L case, not bolt-in swap for a W124 |               |               |               |               |               |               |               |             |           |                             |

|  |                    |              |                     |                             |                       |
|--|--------------------|--------------|---------------------|-----------------------------|-----------------------|
|  |                    |              |                     |                             |                       |
|  |                    |              |                     |                             | <b>LSD carrier</b>    |
|  | <b>185mm</b>       | <b>Ratio</b> | <b>Open carrier</b> | <b>Limited-slip carrier</b> | <b>MSRP, Jan-2009</b> |
|  | <i>(1.1L case)</i> | 2.65         | 124-350-83-23       | 124-350-92-23               | \$1,590               |
|  |                    | 2.87         | 124-350-64-23       | 124-350-94-23               | \$1,590               |
|  |                    | 3.07         | 124-350-63-23       | 124-350-93-23               | \$1,590               |
|  |                    | 3.27         | 124-350-63-23       | 124-350-93-23               | \$1,590               |
|  |                    | 3.46         | 124-350-59-23       | 124-350-91-23               | N/A                   |
|  |                    | 3.67         | 124-350-69-23       | 124-350-91-23               | N/A                   |
|  |                    | 3.92         | 124-350-69-23       | 124-350-91-23               | N/A                   |
|  |                    |              |                     |                             |                       |
|  |                    |              |                     |                             | <b>LSD carrier</b>    |
|  | <b>210mm</b>       | <b>Ratio</b> | <b>Open carrier</b> | <b>Limited-slip carrier</b> | <b>MSRP, Jan-2009</b> |
|  | <i>(1.3L case)</i> | 2.24         | 126-350-34-23       | 126-350-21-23               | N/A                   |
|  |                    | 2.47         | 126-350-33-23       | 126-350-20-23               | N/A                   |
|  |                    | 2.65         | 126-350-09-23       | 126-350-40-23               | \$1,100               |
|  |                    | 2.82         | 126-350-09-23       | 126-350-40-23               | \$1,100               |
|  |                    | 3.06         | 126-350-09-23       | 126-350-40-23               | \$1,100               |
|  |                    | 3.27         | 140-350-27-23       | 140-350-29-23               | N/A                   |
|  |                    | 3.46         | 140-350-27-23       | 140-350-29-23               | N/A                   |
|  |                    | 3.69         | 140-350-27-23       | 140-350-29-23               | N/A                   |

Carrier part #'s

|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|------------------|--|---|-------|-------|--|------|------|------|------|------|------|------|
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  | Stock 195/65/15 tire is 78.5 inches circumference                              |   |       |       |  |      |      |      |      |      |      |      |
|                  | (Max RPM) / (Gear Ratio) multiplied by (Tire Circumference in inches) / (1056) |   |       |       |  |      |      |      |      |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  | <b>1987 300D</b>   | 65mph   | 75mph | 90mph |  | 5000 | 5100 | 5200 | 5300 | 5400 | 5500 | 6000 |
| <i>stock</i>     | 2.65:1   | 2600  | 3000  | 3600  |  | 125  | 128  | 130  | 133  | 135  | 138  | 150  |
| <i>S350</i>      | 2.82:1   | 2775  | 3200  | 3850  |  | 117  | 120  | 122  | 124  | 127  | 129  | 141  |
| <i>E300</i>      | 2.87:1   | 2825  | 3250  | 3900  |  | 115  | 118  | 120  | 122  | 125  | 127  | 138  |
|                  | 3.07:1   | 3000  | 3475  | 4175  |  | 108  | 110  | 112  | 114  | 117  | 119  | 129  |
| <i>16V</i>       | 3.27:1   | 3200  | 3700  | 4450  |  | 101  | 103  | 105  | 107  | 109  | 111  | 122  |
| <i>4Matic TE</i> | 3.29:1   |   |       |       |  |      |      |      |      |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  |  | 225/55/16 tire = 77.6" <b>rolling</b> circumference |       |       |  |      |      |      |      |      |      |      |
|                  |  | Example: 6000/2.82 (*) 77.6/1056 = 156.35mph        |       |       |  |      |      |      |      |      |      |      |
|                  | <b>1994 E500</b>   | 65mph   | 75mph | 90mph |  | 6000 | 6100 | 6200 | 6300 |      |      |      |
|                  | 2.47:1   |   |       |       |  | 179  | 181  | 184  | 187  |      |      |      |
|                  | 2.65:1   |   |       |       |  | 166  | 169  | 172  | 175  |      |      |      |
|                  | 2.82:1   |   | 3000  |       |  | 156  | 159  | 162  | 164  |      |      |      |
|                  | 3.06:1   |   |       |       |  | 144  | 146  | 149  | 151  |      |      |      |
|                  |  |   |       |       |  |      |      |      |      |      |      |      |
|                  |  | formula says 75mph = ~2880rpm stock                 |       |       |  |      |      |      |      |      |      |      |