

## **Gear Ratios VS MPH for B-series Tranny's**

### **Gear Ratio's versus MPH**

This information is intended to help everyone running a b-series transmission. The charts below list the top speed in each gear factoring in final drive and tire diameter. Obviously, there are other tire/wheel sizes here that I haven't listed however the sizes listed give you an idea when considering the small changes in overall diameter between slightly bigger wheel/tire combinations.

The below speeds/rpm drop down points assume an engine with an 8000 rpm redline.

#### **94-01 GSR Transmission (S80)**

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.4 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	38.7
2nd	4706	65.8
3rd	5726	91.9
4th	6082	120.8
5th	6089	158.8

RPM in top gear at 70mph: 3527

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#### **92-93 GSR Transmission**

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.4 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	37.8
2nd	5092	59.4
3rd	5545	85.6
4th	6070	112.9
5th	6323	142.8

RPM in top gear at 70mph: 3922

### 94-01 LS Transmission

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.266 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	39.9
2nd	4706	67.8
3rd	5343	101.6
4th	6090	133.4
5th	5913	180.5

RPM in top gear at 70mph: 3103

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### B16A (92 ), USDM ITR, CTR Transmission

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.4 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	38.7
2nd	5214	59.4
3rd	5541	85.7
4th	6074	112.9
5th	5128	147.3

RPM in top gear at 70mph: 3801

### 90-93 LS Transmission

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.266 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	39.9
2nd	4706	67.8
3rd	5343	101.6
4th	6090	133.4
5th	6145	173.7

RPM in top gear at 70mph: 3224

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### JDM S1, J1, Y1 Transmission

15' 205-50-15 Tires  
14' 195-60-14 Tires  
13' 185-70-13 Tires  
Tire Diameter = 23.1 Inches  
4.4 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	38.4
2nd	5051	60.9
3rd	5520	88.2
4th	6232	113.3
5th	6571	137.9

RPM in top gear at 70mph: 4061

## JDM Integra Type R Transmission (98 )

15' 205-50-15 Tires

14' 195-60-14 Tires

13' 185-70-13 Tires

Tire Diameter = 23.1 Inches

4.785 Final Drive

Gear	Shift RPM	Speed @ 8000 RPM (mph)
1st	N/A	38.7
2nd	5214	59.4
3rd	5541	85.7
4th	6082	111.1
5th	6089	146.0

RPM in top gear at 70mph: 3836