

## Gear Ratio Comparison Table

| Transmission Model    | 1st    | 2nd    | 3rd    | 4th    | 5th    | 6th    | Final |
|-----------------------|--------|--------|--------|--------|--------|--------|-------|
| HPI Reinforced Cross  | 2.9071 | 1.9888 | 1.5373 | 1.2179 | 1.0000 | 0.8624 | -     |
| OEM 6-Speed (FS6R92A) | 3.6264 | 2.2000 | 1.5412 | 1.2132 | 1.0000 | 0.7674 | 3.692 |
| OEM 5-Speed (FS5W71C) | 3.3214 | 1.9023 | 1.3084 | 1.0000 | 0.8378 | -      | 4.083 |

## Internal Strength Enhancements

| Gear  | Ratio (S15) | Ratio (HPI) | Cross Ratio | Gear Strength | Thrust Strength | Module (Old → | Helix Angle |
|-------|-------------|-------------|-------------|---------------|-----------------|---------------|-------------|
| Input | 1.178       | -           |             |               |                 |               |             |
| 1st   | 3.6264      | 2.9071      | ○           | ○10%          |                 |               |             |
| 2nd   | 2.2000      | 1.9888      | ○           | ○7%           |                 |               |             |
| 3rd   | 1.5412      | 1.5373      |             | ○8%           | ○30%            | 1.94→2.       | 32°→24      |
| 4th   | 1.2132      | 1.2179      |             | ○13%          | ○23%            | 1.70→2.       | 33°→26      |
| 5th   | 1.0000      | -           |             |               |                 |               |             |
| 6th   | 0.7674      | 0.8624      | ○           |               |                 |               |             |

Warning: Input exceeding the specified limits may lead to gear failure.  
Please use with caution.

- Maximum Engine Torque: 50kgf · m.
- Maximum Engine Power: 430ps ·

Recommended Clutch: NISMO Single Plate Clutch.

## Recommended Clutch Setup (NISMO)

To ensure optimal performance and longevity.

| Product Category | Component    | Part Number    |
|------------------|--------------|----------------|
| SUPER COPPERMIX  | Clutch Kit   | 3000S-RSS50-G1 |
|                  | Flywheel     | 12310-RSS52-G1 |
|                  | Clutch Disk  | 30100-RS240    |
|                  | Clutch Cover | 30210-RS240-G1 |
| SPORTS CLUTCH    | Flywheel     | 12310-RSS51    |
|                  | Clutch Disk  | 30100-RS240    |

*(NOTE: This transmission MUST be used with a NISMO system.)*

