HYBRID DIFF

Hybrid diff, specifically made for automatic gearbox, will create the new driving fun and attraction.

**Recommended for those who:**

- Want a mechanical LSD on your automatic vehicles
- Drive snowy, ice, and/or slippery roads regularly.
- Find your car not stable on highway/freeway.
- Need more traction on winding roads.
- Interested in mechanical LSD, but hate any uncomfortable noise or vibration in the daily driving.
- Mainly drives in the city, but also want to enjoy sporty driving.
- Not satisfied with the LSD with viscous coupling, or torque sensing systems including helical LSD.

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Pressure springs

Direction of initial torque

Direction of HYBRID DIFF activation

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PRO ADJUST LSD

Professional / competition use LSD to shave 0.01 seconds. You can adjust cam angle and timing in detail. The larger cam angle is, the faster and stronger LSD locks.

- Cam angle is available from 0°-15°-25°-35°-45°-55°-65°
- 0° and 15° cam chips are for acceleration side use.
- Do not use for deceleration side.

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Example:

**1way**

<table>
<thead>
<tr>
<th>Cam Angle</th>
<th>ON 35°</th>
<th>OFF 0°</th>
<th>ON 45°</th>
<th>OFF 0°</th>
<th>ON 55°</th>
<th>OFF 0°</th>
<th>ON 65°</th>
<th>OFF 0°</th>
</tr>
</thead>
</table>

**2way**

<table>
<thead>
<tr>
<th>Cam Angle</th>
<th>ON 25°</th>
<th>OFF 45°</th>
<th>ON 35°</th>
<th>OFF 45°</th>
<th>ON 45°</th>
<th>OFF 45°</th>
<th>ON 55°</th>
<th>OFF 45°</th>
<th>ON 65°</th>
<th>OFF 45°</th>
</tr>
</thead>
</table>

**1.5way**

<table>
<thead>
<tr>
<th>Cam Angle</th>
<th>ON 45°</th>
<th>OFF 15°</th>
<th>ON 45°</th>
<th>OFF 15°</th>
<th>ON 45°</th>
<th>OFF 15°</th>
<th>ON 45°</th>
<th>OFF 15°</th>
<th>ON 45°</th>
<th>OFF 15°</th>
</tr>
</thead>
</table>

Replacing the cam chips to the ones with preferred angle, you can modify the LSD to any of 1way, 2way, or 1.5way. LSD lock up timing is also adjustable.

- Replacing the cam chips