

## LAMPIRAN

### Lampiran 1 : Spesifikasi Mesin M54B25 pada BMW E46 325i

| Engine Specifications   |                                             |
|-------------------------|---------------------------------------------|
| Engine code             | M54B25                                      |
| Layout                  | Four stroke, Inline-6 (Straight-6)          |
| Fuel type               | Gasoline                                    |
| Production              | 2000-2006                                   |
| Displacement            | 2.5 L, 2,494 cc (152.2 cu in)               |
| Fuel system             | Fuel injection system                       |
| Power adder             | None                                        |
| Max. horsepower         | 192 PS (141 kW; 189 HP) at 6,000 rpm        |
| Max. torque             | 245 N·m (25 kg·m, 180.6 ft·lb) at 3,500 rpm |
| Firing order            | 1-5-3-6-2-4                                 |
| Dimensions (L x H x W): | –                                           |
| Weight                  | 130 kg (286.6 lbs)                          |
| Cylinder block          |                                             |
| Cylinder block alloy    | Aluminum alloy                              |
| Compression ratio:      | 10.5:1                                      |

Sumber: Engine-specs. (n.d.). *M54B25*. <https://www.engine-specs.net/bmw/m54b25.html>

Lampiran 2 : Spesifikasi mesin M52B25 pada E36 323i

| Engine Specifications   |                                             |
|-------------------------|---------------------------------------------|
| Engine code             | M52B25                                      |
| Layout                  | Four stroke, Inline-6 (Straight-6)          |
| Fuel type               | Gasoline                                    |
| Production              | 1995-2000                                   |
| Displacement            | 2.5 L, 2,494 cc (152.19 cu in)              |
| Fuel system             | Fuel injection system                       |
| Power adder             | None                                        |
| Max. horsepower         | 170 PS (125 kW; 168 HP) at 5,500 rpm        |
| Max. torque             | 245 N·m (25 kg·m, 180.6 ft·lb) at 3,950 rpm |
| Firing order            | 1-5-3-6-2-4                                 |
| Dimensions (L x H x W): | –                                           |
| Weight                  | ~158 kg(348 lbs)                            |
| Cylinder block          |                                             |
| Cylinder block alloy    | Aluminum alloy                              |
| Compression ratio:      | 10.5:1                                      |

Sumber: Engine-spec. (n.d.). *M52B25*. <https://www.engine-specs.net/bmw/m52b25.html>

Lampiran 3 : Gambar Teknik *Mounting Transmisi*

