

Dodge Performance Upgrades



Non-Wastegated Turbochargers 1988 - 1993

| Model Year | Transmission | Horsepower | Original Part Number | Cummins Part Number | Holset Part Number | C.H.R.A. Part Number | Frame Size | Original Turbine Housing Size | Performance Upgrade Options | | | | |
|------------|--------------|------------|----------------------|---------------------|--------------------|----------------------|------------|-------------------------------|-------------------------------|-----------------------------|----------------|--------------|----------------|
| | | | | | | | | | 16cm ² Non w/g T/H | 18cm ² w/g T/H** | Super 40 Turbo | Pro 52 Turbo | Pro 52 Adaptor |
| 1988 | Auto/Manual | 160 | 3528771 | 3802302, 3802146 | 3526739 | 3523317 | H1C | 18 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1989 | Auto/Manual | 160 | 3528771 | 3802302, 3802147 | 3526739 | 3523317 | H1C | 18 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1990 | Auto/Manual | 160 | 3528771 | 3802302, 3802148 | 3526739 | 3523317 | H1C | 18 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1991 | Auto/Manual | 160 | 3528894* | 3802349 | 3531038 | 3575060 | H1C | 21 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1992 | Auto/Manual | 160 | 3528894* | 3802349 | 3531038 | 3575060 | H1C | 21 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1992 | Auto/Manual | 160 | 3531038* | 3802349 | 3531038 | 3575060 | H1C | 21 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1992 | Auto/Manual | 160 | 3531456 | 3802391, 3802418 | 3531696 | 3575060 | H1C | 18 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1993 | Auto/Manual | 160 | 3528894 | 3802349 | 3531038 | 3575060 | H1C | 21 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1993 | Auto/Manual | 160 | 3531038* | 3802233 | 3531038 | 3575060 | H1C | 21 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |
| 1993 | Auto/Manual | 160 | 3531456 | 3802391, 3802418 | 3531696 | 3575060 | H1C | 18 cm ² | 3521927 | 3539743 | 4027888 | 4027895 | 4038822 |

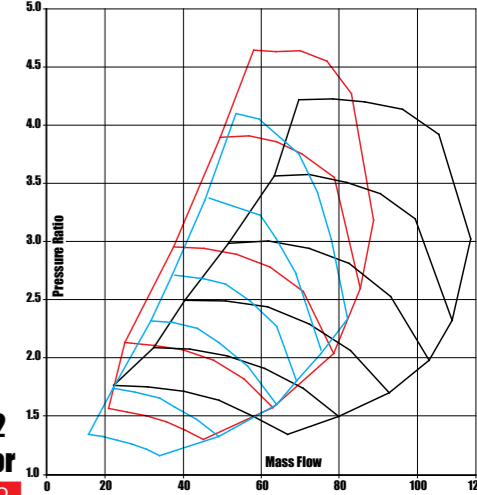
Wastegated Turbochargers 1994 - Present

| Model Year | Transmission | Horsepower | Original Part Number | Cummins Part Number | Holset Part Number | C.H.R.A. Part Number | Frame Size | Original Turbine Housing Size | Performance Upgrade Options | | | | | |
|-------------|---------------------|------------|----------------------|---------------------|--------------------|----------------------|------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|----------------|--------------|----------------|
| | | | | | | | | | 14cm ² w/g T/H | 16cm ² Non w/g T/H | 18cm ² w/g T/H** | Super 40 Turbo | Pro 52 Turbo | Pro 52 Adaptor |
| 1994 | Auto | 160 | 3533320 | 3802204 | 3539911 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1994 | Manual | 175 | 3534333 | 3802204 | 3539911 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1994 | One Ton Truck | 240 | 3528174 | 3802204 | 3530983 | 3545416 | WH1E | 19 cm ² | n/a | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1995 | Auto | 160 | 3534333 | 3802839 | 3539911 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1995 | Manual | 175 | 3535833 | 3802839 | 3539911 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1996 | Auto | 180 | 3534919 | 3802678, 3802992 | 3539369 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1996 | Manual | 215 | 3536160 | 3802809, 3802994 | 3539373 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1996 | California Emission | 180 | 3534608 | 3802809, 3802993 | 3539371 | 3537817 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1997 | Auto | 180 | 3538414 | 3802841, 3802992 | 3539369 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1997 | Manual | 215 | 3538418 | 3802843, 3802994 | 3539373 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1997 | California Emission | 180 | 3538416 | 3802842, 3802993 | 3539371 | 3537817 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1998 | 12 Valve Auto | 180 | 3539369 | 3802992 | 3539369 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1998 | 12 Valve Manual | 215 | 3539373 | 3802994 | 3539373 | 3537815 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1998 | 12 Valve Cal Emiss | 180 | 3539371 | 3802993 | 3539371 | 3537817 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1998.5 | 24 Valve Auto & Man | 215 | 3539344 | 3802946 | 3539343 | 3538421 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1999 | Auto | 215 | 3590105 | 3800397 | 3590104 | 4027212 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 1999 | Manual | 230 | 3592767 | 3800799 | 3592766 | 4027212 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 2000 | Auto | 215 | 3592811 | 3800973 | 4036239 | 4027798 | HY35W | 9 cm ² | n/a | n/a | 3539743 | 4031450 | 4027895 | 4038822 |
| 2000 | Manual | 245 | 3592767 | 3800799 | 3592766 | 4027212 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 2001/2002 | Auto | 235 | 3592811 | 3800973 | 4036239 | 4027798 | HY35W | 9 cm ² | n/a | n/a | 3539743 | 4031450 | 4027895 | 4038822 |
| 2001/2002 | Manual | 245 | 3592767 | 3800799 | 3592766 | 4027212 | HX35W | 12 cm ² | 3580651 | 3521927 | 3539743 | 4031450 | 4027895 | 4038822 |
| 2003/2004 | Auto/Manual | 305 | 3599811 | 4089392 | 4035044 | 4031485 | HY35W | 9 cm ² | n/a | n/a | 3539743 | 4027888 | 4027895 | 4038822 |
| 2004.5/2006 | Auto/Manual | 325 | 4037002 | 4089673 | 4043600 | n/a | HE351CW | 9 cm ² | n/a | n/a | 3539743 | 4027888 | 4027895 | 4038822 |

2007/2008 The 5.9 l engine was enlarged to 6.7 l including the latest Holset Variable Geometry Turbocharger technology for optimum system performance which supersedes current performance upgrades.

Note: * These turbochargers are interchangeable with part number 3531696.
** This housing is a replacement housing for the standard 16cm² housing on the Holset Super 40 turbocharger, part number 4027888.

Compressor Map Comparison



- Key**
- Standard Holset HX40
 - Holset Super 40
 - Holset Pro 52
- Holset Super 40 Turbocharger**
- higher boost capacity
 - wider map width
 - high speed balanced rotor system
 - 130,000 rpm maximum rotor speed.
- Holset Pro 52 Turbocharger**
- produces extreme horsepower
 - requires serious engine modification
 - designed ONLY for use off-highway
 - 112,000 rpm maximum rotor speed.

The Performance Options listed above are for off-road engines exempted by EPA (40 CFR 89.903) and require modification to the original equipment turbocharger. Making these modifications will void the original commercial warranty.

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