

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

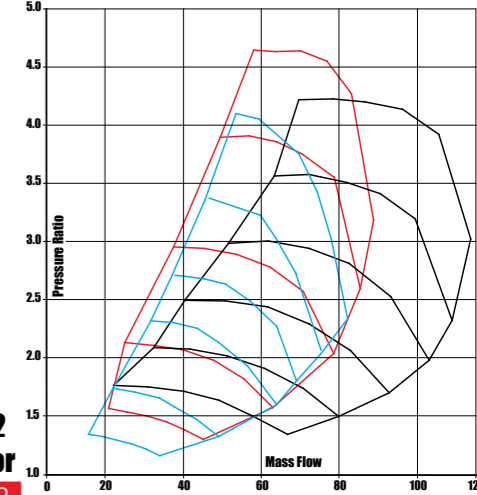
Wastegated Turbochargers 1994 - Present

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 I engine was enlarged to 6.7 I 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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