



PRODUCT TECHNICAL APPLICATION GUIDE

DELIVERING PREMIUM RELIABILITY,
DURABILITY AND PERFORMANCE.

VOLVO REMAN

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VOLVO REMAN D11 BASIC ENGINES

PART NUMBER	D11 BASIC ENGINE APPLICATION
85001599	D11F EPA07 with Engine Brake Applications <i>Services 2047500, 85001479</i>
85001600	D11F EPA07 with No Engine Brake Applications <i>Services 20475001, 85001480</i>
85003659*	D11H EPA10 / OBD13 with Engine Brake , utilizing flywheel housings P/N 20939679, 20955338 or 21386343 (Flywheel housing total width of 204mm / 8.03") applications <i>Services 21400861, 21728543, 85013844, 85013848</i>
85003661*	D11H EPA10 / OBD13 with No Engine Brake , utilizing flywheel housings P/N 20939679, 20955338 or 21386343 (Flywheel housing total width of 204mm / 8.03") applications <i>Services 21400862, 21728544, 85013843, 85013847</i>
85003663*	D11H EPA10 / OBD13 with Engine Brake , utilizing flywheel housing P/N 20955334, 20955336 or 21515910 (Flywheel housing total width of 179mm / 7.05") applications <i>Services 21400882, 21728545, 85013846</i>

NOTE

Part number with an asterisk (*) denotes a bridge engine which can service more than one EPA variant. To order a bridge engine contact Parts Services at 887-447-2787. Please be ready to provide the VIN of the truck so the correct EPA engine label can be printed and installed on the engine for shipment.

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D11 BASIC ENGINES

PART NUMBER

D11 BASIC ENGINE APPLICATION

85003665*

D11H EPA10 / OBD13 with No Engine Brake, utilizing **flywheel housing** P/N 20955334, 20955336 or 21515910 (Flywheel housing total width of 179mm / 7.05") applications
Services 21400883, 21728546, 85013845

85020376

D11J EPA14 / OBD15 / OBD16 with Engine Brake, utilizing **flywheel housing** P/N 23030732, 20939679, 20955338, 21386343 or 22417822 (Flywheel housing total width of 204mm / 8.03") applications
Services 22288147, 22288154, 22573337, 22573389

85020378

D11J EPA14 / OBD15 / OBD16 without Engine Brake, utilizing **flywheel housing** P/N 20939679, 20955338 21386343 or 22417822 (Flywheel housing total width of 204mm / 8.03") applications
Services 22288148, 22288156, 22573340, 22573404, 85013978, 85020384

85020383

D11J EPA14 / OBD15 / OBD16 with Engine Brake, utilizing **flywheel housing** P/N 20955334, 20955336, 21515910, 22417820 or 22453968 (Flywheel housing total width of 179mm / 7.05") applications
Services 22288149, 22339966, 22340028, 22573339, 22573343, 22573399, 85020377, 85020380

85020385

D11J EPA14 / OBD15 / OBD16 without Engine Brake, utilizing **flywheel housing** P/N 20955334, 20955336, 21515910, 22417820 or 22453968 (Flywheel housing total width of 179mm / 7.05") applications
Services 22288150, 22340020, 22340043, 22573341, 22573349, 22573418, 85020379, 85020381

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VOLVO REMAN D11 BASIC ENGINES

PART NUMBER	D11 BASIC ENGINE APPLICATION
85021485*	D11M EPA17 / OBD18 / OBD19 With Engine Brake , utilizing flywheel housing P/N 22417822 or 23030732. (Flywheel Housing total width of 204mm / 8.03") <i>Services 22997118, 22997156, 23345124, 23352990, 23757034, 23757082</i>
85021486*	D11M EPA17 / OBD18 / OBD19 Without Engine Brake , utilizing flywheel housing P/N 22417822 or 23030732. (Flywheel Housing total width of 204mm / 8.03"). <i>Services 22997132, 22997160, 23345126, 23352992, 23757072, 23757095</i>
85021488*	D11M EPA17 / OBD18 / OBD19 With Engine Brake , utilizing flywheel housing P/N 22417820, 22453968 or 23030729. (Flywheel Housing total width of 179mm / 7.05") <i>Services 22997144, 22997157, 23352976, 23352991, 23757079, 23757083</i>
85021490*	D11M EPA17 / OBD18 / OBD19 Without Engine Brake , utilizing flywheel housing P/N 22417820, 22453968 or 23030729. (Flywheel Housing total width of 179mm / 7.05"). <i>Services 22997161, 23352993, 23757096</i>
85022782	D11M EPA17 OBD20/21 With Engine Brake , utilizing flywheel housing P/N 23030732 . (Flywheel Housing total width of 204mm / 8.03") and oil pan 23474225. <i>Services 23757034, 23757082, 85022785</i>

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D11 BASIC ENGINES

PART NUMBER	D11 BASIC ENGINE APPLICATION
85022783	D11M EPA17 OBD20/21 Without Engine Brake , utilizing flywheel housing P/N 23030732 . (Flywheel Housing total width of 204mm / 8.03") and oil pan 23474225. <i>Services 23757072, 23757095, 85022787</i>
85022784	D11M EPA17 OBD20/21 With Engine Brake , utilizing flywheel housing P/N 23030729 . (Flywheel Housing total width of 179mm / 7.05") and oil pan 23474225. <i>Services 23757079, 23757097, 23757083, 23757098, 85022786, 85022789, 85022790</i>
85022791	D11M EPA17 OBD20/21 Without Engine Brake , utilizing flywheel housing P/N 23030729 . (Flywheel Housing total width of 179mm / 7.05") and oil pan 23474225. <i>Services 23757096, 23757099, 23757241, 85022788, 85022792</i>

NOTE

Part number with an asterisk (*) denotes a bridge engine which can service more than one EPA variant. To order a bridge engine contact Parts Services at 887-447-2787. Please be ready to provide the VIN of the truck so the correct EPA engine label can be printed and installed on the engine for shipment.

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D12 BASIC ENGINES

PART NUMBER	D12 BASIC ENGINE APPLICATION
85001520	D12A All Horsepower with VEB Applications <i>See TPI 200-009</i>
85001521	D12A All Horsepower with EPG Applications <i>See TPI 200-009</i>
85001522	D12B All Horsepower with VEB Applications <i>See TPI 200-009</i>
85001523	D12B All Horsepower with EPG Applications <i>See TPI 200-009</i>
85001501	D12C All Horsepower with VEB Applications <i>See TPI 200-009</i>
85001502	D12C All Horsepower with EPG Applications <i>See TPI 200-009</i>
85001524	D12D Up to 435 Horsepower with VEB Applications <i>See TPI 200-009</i>
85001525	D12D Up to 435 Horsepower with EPG Applications <i>See TPI 200-009</i>
85001526	D12D 465 Horsepower with VEB Applications <i>See TPI 200-009</i>
85001527	D12D 465 Horsepower with EPG Applications <i>See TPI 200-009</i>

NOTE

Part number with an asterisk (*) denotes a bridge engine which can service more than one EPA variant. To order a bridge engine contact Parts Services at 887-447-2787. Please be ready to provide the VIN of the truck so the correct EPA engine label can be printed and installed on the engine for shipment.

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D13 BASIC ENGINES

PART NUMBER	D13 BASIC ENGINE APPLICATION
85001619	D13F EPA07 with No Engine Brake <i>Services 20982243</i> <i>Variants – EBR-VGT, CS43B-O, UCLUTCH</i>
85001620	D13F EPA07 with No Engine Brake <i>Services 20982244</i> <i>Variants – EBR-VGT, CL39DC12</i>
85001621	D13F EPA07 with Engine Brake <i>Services 20982246</i> <i>Variants – EBR-VEB7, CS43B-O, UCLUTCH</i>
85001622	D13F EPA07 with Engine Brake <i>Services 20982248</i> <i>Variants – EBR-VEB7, CL39DC12</i>
85003651*	D13H EPA10 / OBD13 with Engine Brake, utilizing flywheel housing P/N 21184813, 21347407 or 21547049 (Flywheel housing total width of 179mm / 7.05”) applications <i>Services 21408561, 21729912</i>
85003653*	D13H EPA10 / OBD13 with No Engine Brake, utilizing flywheel housing P/N 21184813, 21347407 or 21547049 (Flywheel housing total width of 179mm / 7.05”) applications <i>Services 21408570, 21729915</i>
85003655*	D13H EPA10 / OBD13 with Engine Brake, utilizing flywheel housing P/N 21184809, 21347406 or 21547051 (Flywheel housing total width of 184mm / 7.24”) applications <i>Services 21408571, 21729914</i>
85003657*	D13H EPA10 / OBD13 with No Engine Brake, utilizing flywheel housing P/N 21184809, 21347406 or 21547051 (Flywheel housing total width of 184mm / 7.24”) applications <i>Services 21408572, 21729916</i>

NOTE

Part number with an asterisk (*) denotes a bridge engine which can service more than one EPA variant. To order a bridge engine contact Parts Services at 887-447-2787. Please be ready to provide the VIN of the truck so the correct EPA engine label can be printed and installed on the engine for shipment.

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VOLVO REMAN D13 BASIC ENGINES

PART NUMBER	D13 BASIC ENGINE APPLICATION
85020405	D13J EPA14 / OBD15 / OBD16 with Engine Brake , utilizing flywheel housing P/N 21184813, 21347407, 21547049 (Flywheel housing total width of 179mm / 7.05") applications <i>Services 22289225, 22573519, 22953313, 85020048</i>
85020406	D13J EPA14 / OBD15 / OBD16 without Engine Brake , utilizing flywheel housing P/N 21184813, 21347407, 21547049 (Flywheel housing total width of 179mm / 7.05") applications <i>Services 22289226, 22573520, 23345144</i>
85020407	D13J EPA14 / OBD15 / OBD16 With Engine Brake , utilizing flywheel housing P/N 21184809, 21347406, or 21547051 (Flywheel Housing total width of 184mm / 7.24") applications <i>Services 22289228, 22573521, 22953318, 85013985</i>
85020408	D13J EPA14 / OBD15 / OBD16 Without Engine Brake , utilizing flywheel housing P/N 21184809, 21347406, or 21547051 (Flywheel Housing total width of 184mm / 7.24") applications <i>Services 22289229, 22573523, 22953319</i>
85021393*	D13M EPA17 / OBD18 / OBD19 With Engine Brake , utilizing flywheel housing P/N 21347407, 22911776, or 22986940. (Flywheel Housing total width of 179mm / 7.05") <i>Services 22953313, 23345142</i>
85021406*	D13M EPA17 / OBD18 / OBD19 Without Engine Brake , utilizing flywheel housing P/N 21347407, 22911776 or 22986940. (Flywheel Housing total width of 179mm / 7.05"). <i>Services 22953317, 23345144</i>

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D13 BASIC ENGINES

PART NUMBER D13 BASIC ENGINE APPLICATION

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| 85021407* | D13M EPA17 / OBD18 / OBD19 With Engine Brake , utilizing flywheel housing P/N 21347406, 21547051 or 22986942. (Flywheel Housing total width of 184mm / 7.24").
<i>Services 22953318, 23345148</i> |
| 85021408* | D13M EPA17 / OBD18 / OBD19 With Engine Brake , utilizing flywheel housing P/N 21347406, 21547051 or 22986942 (Flywheel Housing total width of 184mm / 7.24")
<i>Services 22953319, 23345149</i> |
| 85021586* | D13M EPA17 / OBD18 / OBD19 With Turbo Compound , utilizing flywheel housing P/N 21347407, 22911776 or 22986940 (Flywheel Housing total width of 179mm / 7.05").
<i>Services 23089686, 23345127.</i> |
| 85023175 | D13M Turbo Compound EPA17 OBD20 With Engine Brake , utilizing flywheel housing P/N 22911776 . (Flywheel Housing total width of 179mm / 7.05") and oil pan 21368390.
<i>Services 23808946</i> |
| 85022808 | D13N EPA21 OBD20/21 Without Engine Brake , utilizing flywheel housing P/N 21347407 or 22986940 . (Flywheel Housing total width of 179mm / 7.05") and oil pan 21368390.
<i>Services 23758178</i> |
| 85022811 | D13N EPA21 OBD20/21 With Engine Brake , utilizing flywheel housing P/N 21347407, or 22986940 . (Flywheel Housing total width of 179mm / 7.05") and oil pan 21368390.
<i>Services 23758177</i> |
| 85022810 | D13N EPA21 OBD20/21 Without Engine Brake , utilizing flywheel housing P/N 21347406 or 22986942 . (Flywheel Housing total width of 184mm / 7.24") and oil pan 21368390.
<i>Services 23758180</i> |

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D13 BASIC ENGINES

PART NUMBER	D13 BASIC ENGINE APPLICATION
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85022813

D13N EPA21 OBD20/21 With Engine Brake, utilizing **flywheel housing P/N 21347406 or 22986942** (Flywheel Housing total width of 184mm / 7.24") and oil pan 21368390.

Services 23758179

NOTE

Part number with an asterisk (*) denotes a bridge engine which can service more than one EPA variant. To order a bridge engine contact Parts Services at 887-447-2787. Please be ready to provide the VIN of the truck so the correct EPA engine label can be printed and installed on the engine for shipment.

WARNING: Use of a basic engine other than what is specified in the Spare Engines TPI may result in engine failure or unsatisfactory performance and will void the engine warranty.



VOLVO REMAN D16 BASIC ENGINES

PART NUMBER D16 BASIC ENGINE APPLICATION

85001337	D16D EPA04 Applications (Non-DPF System Model) <i>Services 20918451, 20918452, 20918453, 20918454</i> <i>Variants – EBR-VEB</i>
85001617	D16F EPA07 Applications <i>Services 20475008, 85001618</i> <i>Variants – EBR-VEB7</i>
85003647*	D16H EPA10 / OBD13 Applications <i>Services 21400857, 21730556</i>
85020415	D16J EPA14 / OBD15 / OBD16 Applications <i>Services 22291927, 22575194</i>

D11 Applications: D11 = 11 liters. The engines are designed with electronic unit injectors, cooled exhaust gas recirculation (EGR) and variable geometry turbocharger (VGT). The design conforms to Environmental Protection Agency (EPA) requirements. Volvo Reman D11 Basic Engines come with a remanufactured oil cooler and remanufactured unit injectors.

D12 Applications: D12 = 12 liters (738 cu. in.). The engines are designed with electronic unit injectors, cooled exhaust gas Recirculation (EGR), and Variable Geometry Turbocharger (VGT) (when applicable). The design conforms to Environmental Protection Agency (EPA) requirements. Volvo Reman D12 Basic Engines come with a remanufactured oil cooler and remanufactured unit injectors.

D13 Applications: D13 = 13 liters. The engines are designed with electronic unit injectors, cooled exhaust gas recirculation (EGR), and variable geometry turbocharger (VGT). The design conforms to Environmental Protection Agency (EPA) requirements. Volvo Reman D13 Basic Engines come with a remanufactured oil cooler and remanufactured unit injectors.

D16 Applications: D16 = 16 liters. The engines are designed with electronic unit injectors, cooled exhaust gas recirculation (EGR) and variable geometry turbocharger (VGT) The design conforms to Environmental Protection Agency (EPA) requirements. Volvo Reman D16 Basic Engines come with a remanufactured oil cooler and remanufactured unit injectors.

EPG refers to exhaust pressure governor, a type of exhaust brake.
VEB refers Volvo Engine Brake, a type of engine brake utilizing the valve train.



VOLVO REMAN BASIC ENGINES

FEATURES

All basic engines feature remanufactured cylinder block, cylinder head, crankshaft, connecting rods and oil pumps, new piston rings, liners, bearings, bushings, gaskets and seals. All remanufactured basic engines include rocker assemblies and cylinder head covers, and receive rigorous in-process inspections throughout the remanufacturing process to ensure performance and reliability standards are met.

NOTE

D11, D13 and D16 oil pans are positioned in the front sump position and may require changing due to position and/or bosses required for some applications
D12 oil pans are positioned in the rear sump position and may require changing due to position and/or bosses required for some applications

For **VHD applications**, components must be removed from your original engine and transferred to the remanufactured basic engine. These parts vary depending on your specific application. The following are the most common items that would need to be converted: upper/lower timing covers, front crankshaft drive hub assembly, oil sump, camshaft sensor tone wheel, misc. bolts, brackets, seals – depending on your application.

WARRANTY

Two years / unlimited miles or three years / 350,000 miles as part of the Volvo (GO) Guaranteed Overhaul Program.



VOLVO REMAN REMAN BASIC INSTALLATION KITS

PART NUMBER	REMAN BASIC INSTALLATION KIT APPLICATION
85148972	D11F EPA07
85148975	D11H EPA10
85148978	D11J EPA14
23055012	D11 EPA 17
85126250	D12A
85126252	D12B
85126254	D12C
85126256	D12D
85148973	D13F EPA07
85148976	D13H EPA10
85148979	D13J EPA14
23055013	D13 EPA 17
23055728	D13 EPA 17 - Turbo Compound
85148982	D16D EPA04
85148974	D16F EPA07
85148977	D16H EPA10
85148980	D16J EPA14

WARNING: Use of a reman basic installation kit other than what is listed above may result in failure or unsatisfactory performance, and will void warranty.

VOLVO REMAN 7/8 ENGINE PROGRAM

The Volvo Reman 7/8 Engine Program is designed to provide both the dealer and the end user the best product and value. Every 7/8 engine shipped is a 100% fully factory dyno tested unit to ensure it meets all the original OEM specifications.

All 7/8th engines are ready to install, dyno tested and proven. The only components remaining to be installed on the engine are the power steering pump, starter, alternator and the fan drive.

Benefits:

- Service your customer with a genuine reman labor saving product at competitive pricing
- Completely disassembled and cleaned using the latest technology
- Engines subject to multiple in-process inspections, measured to OE/reman specs
- Dyno tested on a factory dynamometer to ensure all OEM specs are met

For **VHD applications**, components must be removed from your original engine and transferred to the remanufactured engine. These parts vary depending on your specific application. The following are the most common items that would need to be converted: upper/lower timing covers, front crankshaft drive hub assembly, oil sump, camshaft sensor tone wheel, misc. bolts, brackets, seals, and oil pans – depending on your application.

WARRANTY:

Two years / unlimited miles

Optional Three years / 350,000*

* Conditions apply. See the details located in the Volvo Overhaul Extended Warranty Registration Form located on the TDP.

ORDERING INSTRUCTIONS:

Volvo Reman 7/8 Built to Order Program

60-day lead time for engines SKU's not in Quick Ship program

Freight – Prepaid

Ships From: Charlotte, NC

VDSP Program Number: 351

Part Number Prefix: RT

See COMPASS for order and program details

VOLVO REMAN 7/8 ENGINE PROGRAM

7/8 BUILT TO ORDER PROGRAM

Volvo Reman currently offers 121 unique 7/8 Engine SKU's that cover all D11 and D13 engines from EPA 07 through current. Every 7/8 Engine Volvo Reman builds can be ordered through our VDSP program.

Be sure to refer to the TPI's below to ensure the correct 7/8 part number for ordering. For a guided walkthrough please refer to the How to Video on how to order a 7/8 Engines, located on the Aftermarket Sales kit.

D11 – TPI 210-094

D13 – TPI 210-095

NOTE: All 7/8 engine sales are final with no returns allowed.

PART NUMBER	D12 7/8 BUILT TO ORDER APPLICATION
RT85001164	D12D with No Engine Brake – Electric Fuel Pump Primer – 365, 395, 435 HP <i>Services 85001525 (check primer type)</i>
RT85001219	D12D with No Engine Brake – Mechanical Fuel Pump Primer – 365, 395, 435 HP <i>Services 85001525 (check primer type)</i>

VOLVO REMAN 7/8 ENGINE PROGRAM 7/8 QUICK SHIP SLT PROGRAM

Coming Soon: We're currently revamping the 7/8 engine Quick Ship program.



VOLVO REMAN FLYWHEELS

REMAN PART NUMBER	PRODUCTION PART NUMBER	APPLICATION
85021771	21825230	D11 Engine – EPA07, EPA14, EPA17 Emissions
85021773	21184666	D13 Engine – EPA07 through EPA14 Emissions
85021775	21630898	D13 Engine – EPA17 Emissions
85021775	21630898	D16 Engine – EPA04, EPA07, EPA14 Emissions

FEATURES

Remanufactured flywheels are available as an alternative to new flywheels and provide a lower I-Shift service cost. All remanufactured flywheels are completely cleaned and inspected for any damage. The flywheels are remanufactured according to the latest engineering specifications. The pilot bearing is included and installed for your convenience.

NOTE

D16 remanufactured flywheel is for single mass flywheel replacement only. A twin mass flywheel is NOT an acceptable core. A single mass flywheel conversions kit (P/N 23040540) should be utilized when replacing a twin mass flywheel.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN CYLINDER HEADS

PART NUMBER	APPLICATION
8112749	D7 Engines
85003945	D11F EPA07 Engines , Flat (copper) type injector cup applications <i>Services 20905281, 21356506, 21585615, 22083822, 85000901, 85003284, 85003947, 85020267</i>
85003946	D11F and D11H EPA07 / EPA10 Engines , Conical (stainless steel) type injector cup applications <i>Services 21463155, 21576299, 22083821, 85003704</i>
85020034	D11J EPA14 Engines <i>Services 22063681, 22083821, 23655902, 85020265</i>
85021574	D11M EPA17 Engines <i>Services 23042711</i>
8112220	D12A and D12B Engines <i>Services 1547931</i>
85000319	D12C Engines <i>Services 8113267</i>
85000191	D12D Engines <i>Services 25002817, 20560801</i>
85020271	D13F EPA07 Engines , Flat (copper) type injector cup applications <i>Services 21042138, 85000815</i>
85020273	D13F and D13H EPA07 / EPA10 Engines , Conical (stainless steel) type injector cup applications <i>Services 21460896, 85003705</i>
85020889	D13J EPA14 Engines <i>Services 22186468, 22251173, 85013947, 85020036, 85020277</i>
85013948	D13M EPA17 Engines <i>Services 22300119, 22498489, 22728123, 85020262, 85021385</i>
85000841	D16D EPA04 Engines <i>Services 21072138</i>



VOLVO REMAN CYLINDER HEADS

PART NUMBER	APPLICATION
85022767	D16F EPA07 Engines , Flat (copper) type injector cup applications <i>Services 21072137, 21331714, 21461672, 22115009, 23306123, 23399040, 85003797</i>
85003706	D16F and D16H EPA07 / EPA10 Engines , Conical (stainless steel) type injector cup applications <i>Services 21440400, 21461673, 22115004</i>
85022768	D16J EPA14 Engines <i>Services 22184000, 22215855, 85020038</i>

FEATURES

All remanufactured cylinder heads are completely disassembled and cleaned. The castings are Magnaflux® inspected and pressure-tested. State-of-the-art computer controlled machining centers machine all surfaces to reman and/or OE. specifications to ensure Volvo Reman quality. All valves and valve seats are inspected and machined. All remanufactured cylinder heads are complete with valves, valve guide seals (where applicable), heavy-duty valve springs, rotators and keepers. New valve guides and rotators are installed 100 percent. Completed assemblies are vacuum-tested to ensure proper seal.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN IDLER GEARS

PART NUMBER CASE HARDENED - APPLICATION

85021561 **D11 EPA 07 through EPA 14 all applications and EPA 17 with 1000 NM engine PTO torque** capacity applications
Services 20811955, 21060843, 21760929, 21826609, 23493803

85022647 **D13 EPA 07 through EPA 14 all applications and EPA 17 with 1000 NM engine PTO torque** capacity applications
Services 20973826, 21056774, 21057068, 21760930, 21826610, 23493805

85022649 **D16 EPA 07 through EPA 14 all applications**
Services 21056761, 21057433, 21760931, 21826611, 23493807

PART NUMBER NC+ APPLICATION

85022637 **D11 EPA 17 all applications** except 1000 NM engine PTO Torque capacity applications
Services 23493801

85022635 **D13 EPA 17 all applications** except 1000 NM engine PTO Torque
Services 23493797

Case Hardened Idler gears are designed to withstand use in applications up to 1000 NM PTO engine torque. NC+ (Nitro Carburization) Idler gears are for use in EPA 17 engines with less than 1000 NM of PTO engine torque.

NOTE

Case Hardened and NC+ gears cannot be mixed. All gears must be of the same surface treatment

FEATURES

All Volvo Reman Idler Gears are fully disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to OE/Reman specifications. All critical components and “high wear” items are replaced with new. Final assembly is completed and tested the same as new.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN LOADED CYLINDER KITS

PART NUMBER	APPLICATION
85125028	D12C Engines <i>Services 20509931</i>
85125029	D12D Engines <i>Services 20521943</i>
85146556	D11F/H EPA07/10 Engines <i>Services 21367720</i>
85021908	D11J EPA 14 Engines <i>Services 22416837</i>
85021627	D11M EPA 17 Engines <i>Services 22637622</i>
85146622	D13F EPA07 Engine with Std. weight connecting rods. (See TPI 216-019 to ID rods). <i>Services 20928630</i>
85021904	D13F EPA07 Engines with Lightweight connecting rods. (See TPI 216-019 to ID rods). <i>Services 21330684</i>
85146626	D13H EPA10 Engines with Std. weight connecting rods. (See TPI 216-019 to ID rods) <i>Services 21330684</i>
85021906	D13H EPA10 Engines with Lightweight connecting rods. (See TPI 216-019 to ID rods). <i>Services 21330684</i>
85021910	D13J EPA 14 with Std. weight connecting rods. (See TPI 216-019 to ID rods) Engines <i>Services 22522229</i>
85021912	D13J EPA 14 with Lightweight connecting rods (See TPI 216-019 to ID rod) Engines <i>Services 22522229</i>
85021946	D13M EPA 17 with Std. weight connecting rod (See TPI 216-019 to ID rod) Engines <i>Services 22565407</i>
85021386	D13M EPA 17 with Lightweight connecting rods (See TPI 216-019 to ID rods) Engines <i>Services 22565407</i>



VOLVO REMAN LOADED CYLINDER KITS

PART NUMBER	APPLICATION
85146631	D16D/F EPA04/07 Engines See FSB 213-001 for D16 EPA04. If engine has old style piston (20583702, liner kit #20721470), then all six cylinders must be converted to newer-style piston (20742966) using kits, due to significant weight difference. <i>Services 22302062</i>
85146663	D16H/J EPA 10 and EPA 14 Engines <i>Services 21331860</i>

NOTE

Std Weight Connecting Rods and Light Weight Connecting Rods **cannot** be mixed in an engine. Refer to TPI216-019 to ID rods.

FEATURES

All Volvo remanufactured loaded cylinders come ready to install into cylinder bores. Assembled units come complete with reman connecting rods, piston/piston crowns, snap rings and wrist pins. New components included are piston rings, piston skirt (where applicable), rod bolts and cylinder liner. Loaded cylinders are completely disassembled and cleaned. Precision machining centers for connecting rods remove any bent or twisted rods, and ensure proper surface finish. Crank bores are brought back to original size and specification. New wrist pin bushings are installed into the rod and machined to size. The pistons are cleaned and visually inspected. Acceptable pistons are dimensionally gauged to ensure proper size and specification. If all criteria are met, new bushings are installed (if applicable). The loaded cylinders are assembled by trained technicians and packaged for shipment.

WARRANTY

2 Years / Unlimited Mileage



VOLVO REMAN LOADED CYLINDER OVERHAUL KITS

PART NUMBER	APPLICATION
85125018	D12C Engines <i>Services 3096880</i>
85125020	D12D Engines <i>Services 85110455</i>
85146672	D11F/H EPA07/10 Engines <i>Services 85138500</i>
85021914	D11J EPA 14 Engines <i>Services 22416837, 22521926, 85021908</i>
85021629	D11M EPA 17 Engines <i>Services 22637622, 23035646, 85021627</i>
85146679	D13F EPA07 Engines <i>Services 85138501</i>
85146683	D13H EPA10 Engines <i>Services 85138502</i>
85021916	D13J EPA 14 Engines <i>Services 22522198, 22522229, 85021910, 85021912</i>
85021387	D13M EPA 17 Variable Geometry Turbo (VGT) type engines <i>Services 22565407, 22724208, 85021386, 85021946</i>
85021918	D13M EPA 17 Turbo Compound (TC) type engines <i>Services 22565407, 23060943, 85021386, 85021946</i>
85146687	D16D/F EPA04/07 Engines <i>Services 85138503</i>
85146692	D16H EPA10 Engines <i>Services 21331860, 85138504, 85146821</i>
85021920	D16J EPA 14 Engines <i>Services 21331860, 85147016, 85146663</i>



VOLVO REMAN LOADED CYLINDER INSTALLATION TOOL

LOADED CYLINDER KIT INSTALLATION TOOL

Now available for order from our PDCs:

- P/N 88800556, D11 Install Tool
- P/N 88870026, D12 and D13 Install Tool
- P/N 88800557, D16 Install Tool

BENEFITS

- Shorten your overhaul turnaround time by using Volvo Reman Loaded Cylinder Overhaul Kits with the Loaded Cylinder Kit Installation Tool
- Labor savings up to 3-4 hours when using the tool
- Tool has install arrow for proper alignment of piston when installing loaded kit
- Ease, quality and cleanliness of installation

FEATURES

All Volvo Remanufactured Cylinder Overhaul Kits come with six Volvo Reman Loaded Cylinder Kits ready for installation into cylinder bores. Also included in each kit are the following: 1 cylinder head gasket set, 1 engine (Decarb) gasket set, 1 thermostat, 1 EGR cooler vibration damper (where applicable), 1 camshaft bearing set and 1 rod and main bearings set.

WARRANTY

2 Years / Unlimited Mileage



VOLVO REMAN CONNECTING RODS

PART NUMBER

APPLICATION

85001360

All D12 series engines

Services 20412200, 1547124, 3184823

FEATURES

All Volvo Reman connecting rods are inspected for ultra-fine cracks and are precision-machined on CNC machines to ensure quality and proper surface finish. Crank bores are machined to specification. Wrist pin bushings are replaced and machined to size 100 percent.

NOTE

The different style production connecting rods (20412200, 1547124, 3184823) are interchangeable and can be mixed in an engine. Do not be concerned with the mating surface between the rod and cap. Some rods have a machined surface and others have a fractured surface. These connecting rods can be mixed in an engine.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN SINGLE INJECTORS

PART NUMBER	D11 SERIES ELECTRONIC UNIT INJECTOR (EUI) APPLICATION
85003110 <i>(D11F EPA 07 flat injectors for use with copper injector cups are only available as singles. For a set of 6, please upgrade to 85144090 conical injectors.)</i>	D11F EPA07 Use with flat injector sleeves. <i>Services 20833111, 20893021, 20965224, 21028628, 21106498, 21246331</i>
85003711	D11F EPA07 Use with conical injector sleeves <i>Services 21457950, 21554442</i>
85013719	D11H EPA10/OBD13 Enhanced with coated NCV (Needle Control Valve) <i>Services 21172430, 21307001, 21457952, 21599150, 22027807, 85013143, 85003664</i>
85020426	D11J EPA14/OBD15/OBD16 <i>Services 22015763, 22479123, 85013778</i>

PART NUMBER	D12 SERIES ELECTRONIC UNIT INJECTOR (EUI) APPLICATION
8112557	D12 – 370/415/425 HP <i>Services 1547909</i>
8112660	D12 – 310/335 HP <i>Services 1547287</i>
8113092	D12A – 345/385/425 HP <i>Services 3964404</i>
8113180	D12B <i>Services 8170966</i>
8113411	D12C EM-USA99 <i>Services 8170998</i>
8113837	D12C EM-USA00 <i>Services 3169521</i>
85022625	D12D All, except 465 HP <i>Services 20497849, 20510724, 20547350, 85000223, 85000416</i>
85022626	D12D – 465 HP <i>Services 20517502, 20547351, 20810171, 85000254, 85000417</i>



VOLVO REMAN SINGLE INJECTORS

PART NUMBER	D13 SERIES ELECTRONIC UNIT INJECTOR (EUI) APPLICATION
85003109 <i>(D13F EPA 07 flat injectors for use with copper injector cups are only available as singles. For a set of 6, please upgrade to 85144092 conical injectors.)</i>	D13F EPA07 Use with flat injector sleeves Services 20582430, 20977565, 21106375, 21244717, 85000914, 85000817
85003656	D13F EPA07 Use with conical injector sleeves Services 21451295, 21543203
85013611	D13H EPA10/OBD13 enhanced with coated NCV (Needle Control Valve) Services 21092434, 21119665, 21458369, 21599153, 22027808 85003658
85020428	D13J EPA14/OBD15/OBD16 Services 22012829, 22479124, 85020032

PART NUMBER	D16 SERIES ELECTRONIC UNIT INJECTOR (EUI) APPLICATION
85000496	D16D EPA04 Services 20714369
85003111 <i>(D16F EPA 07 flat injectors for use with copper injector cups are only available as singles. For a set of 6, please upgrade to 85144094 conical injectors.)</i>	D16F EPA07 Use with flat injector sleeves. Services 20965225, 21028629, 21106499, 21246332
85003714	D16F EPA07 Use with conical injector sleeves. Services 21457951, 21543204
85020858	D16H EPA10 / OBD13 enhanced with coated NCV (Needle Control Valve) Services 21172432, 21306972, 21457953, 21483459, 21683459, 22027810, 85003666, 85013099, 85013721
85020845	D16J EPA14 / OBD15 / OBD16 conical injector. Services 85020090, 85020430



VOLVO REMAN SIX-PACK INJECTOR KITS

PART NUMBER	6-PACK INJECTOR KIT APPLICATION
85144090	D11F EPA07 with conical injector sleeves <i>Services 20833111, 20893021, 20965224, 21028628, 21106498, 21246331, 21457950, 21554442, 85000836, 85000910, 85003110, 85003711, 85003886, 85003935</i>
85143381	D11H EPA10/OBD13 enhanced with coated NCV (Needle Control Valve) <i>Services 21457952, 21599150, 22027807, 85003664, 85013143, 85013719, 85142311</i>
85144516	D11J EPA14 / OBD15 / OBD16 conical injector kit. <i>Services 22015763, 22479123, 85020426 85141573</i>
85135077	D12D All, except 465 HP <i>Services 20547350, 85000416</i>
85022628	D12D – 465 HP <i>Services 20547351, 85000417, 85135078, 85022626</i>
85144092	D13F EPA07 with conical injector sleeves <i>Services 21451295, 21543203, 85003656, 85003887, 85003924</i>
85143382	D13H EPA10/OBD13 enhanced with coated NCV (Needle Control Valve) <i>Services 21092434, 21119665, 21458369, 21599153, 22027808, 85003658, 85013611, 85142312</i>
85144518	D13J EPA14 / OBD15 / OBD16 conical injector kit. <i>Services 22012829, 22479124, 85020032, 85141571</i>
85144094	D16F EPA07 with conical injector sleeves <i>Services 21457951, 21543204, 85003714, 85003888, 85003931</i>
85148518	D16H EPA10/OBD13 enhanced with coated NCV (Needle Control Valve) <i>Services 21172432, 21306972, 21457953, 21683459, 22027810, 85003666, 85013099, 85013721, 85020858, 85137230, 85142313, 85143383</i>
85148520	D16J EPA14 / OBD15 / OBD16 conical injector kit. <i>Services 22218106, 22479125, 22717952, 85020090, 85020430, 85020575, 85020845</i>

WARRANTY

1 Year / Unlimited Mileage

WARNING: Use of an injector kit other than what is listed above may result in failure or unsatisfactory performance, and will void warranty.



VOLVO REMAN SIX-PACK INJECTORS

PART NUMBER	6-PACK INJECTOR APPLICATION
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85150916

**D11M and D13M EPA 17 and EPA 17 OBD
18/19 Common Rail Engines**

*Services 22378579, 22378580, 22726635,
22726637, 85150348, 85150350, 85153229*

KIT INCLUDES

- 3 remanufactured pumping Injectors
- 3 remanufactured nozzles
- 6 sleeves
- 6 O-Rings
- 6 flange screws
- Adjusting screws and nuts.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN TURBO KITS

PART NUMBER	D12A&B APPLICATION
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8113407	345, 385 HP
8112682	370 HP
8148731	425 HP

PART NUMBER	D11 APPLICATION
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85151098	D11F, EPA07 <i>Services 20941931, 21012875, 21080078, 21178032, 21424404, 21424419, 21592749, 21597914, 22014294, 22883059, 85003348, 85003608, 85013027, 85013053, 85013709, 85110393, 85115989, 85123286, 85136180</i>
85151092	D11H, D11J, EPA10, EPA14 <i>Services 21187866, 21364709, 21366004, 21468127, 21559601, 22001081, 22215682, 22880306, 85003634, 85003845, 85013036, 85013371, 85020011, 85141057</i>

85151722	D11M, EPA 17 <i>Services 22891440</i>
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PART NUMBER	D13 APPLICATION
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85151100	D13F, EPA07 <i>Services 20751428, 21023366, 21042277, 21178109, 21358880, 21387461, 21389372, 21423306, 21595172, 21597919, 21675487, 21676814, 22014297, 85003305, 85003618, 85013039, 85013288, 85013412, 85013597, 85111068, 85114448, 85115715, 85116644, 85121073, 85123532, 85124246, 85013031, 85140458, 85140459, 85140460</i>
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85151094	D13H, D13J, EPA10, EPA17 <i>Services 21238245, 21364706, 21366000, 21468131, 21559604, 22001084, 22215685, 22880308, 85003632, 85003848, 85003963, 85013571, 85020014, 85021417, 85141060</i>
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85152096	D13M EPA 17 / OBD18 / OBD19 Fixed Geometry for Turbo Compound <i>Services 22840693</i>
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VOLVO REMAN TURBO KITS

PART NUMBER	D16 APPLICATION
85151105	D16D, EPA04 <i>Services 20725904, 21070217, 21184467, 21290244, 21595169, 22014306, 22883069, 85003025, 85000851, 85000857, 85003136, 85003630, 85013026, 85020040, 85116892, 85124401, 85142150, 85151105</i>
85151102	D16F, EPA07 <i>Services 20980292, 21080082, 21130690, 21358877, 21424407, 21424409, 21595178, 21597924, 22014303, 22883063, 85003335, 85003343, 85013034, 85013041, 85020041, 85021423, 85111186, 85112684, 85116565, 85121028, 85121356, 85121609, 85123208, 85013034, 85136182, 85151102</i>
85151096	D16H, D16J, EPA10, EPA14 <i>Services 21236204, 21364704, 21365997, 21436840, 21559609, 21799759, 22001090, 22215690, 22880310, 85124592, 85136185, 85136495, 85141065</i>

FEATURES

Turbos are completely disassembled, cleaned and inspected. They are brought back to Volvo specifications. Precision balancing and functional testing ensures performance and reliability.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN TURBO ACTUATORS

PART NUMBER	TURBO ACTUATOR APPLICATION
85003308	D16D, EPA04 <i>Services 85109211</i>
85013731	D11(F/H/J/M), D13(F/H/J/M), D16(F/H/J), EPA07, EPA10, EPA14, EPA17 <i>Services 21517180, 21754439, 85003746</i>

FEATURES

All Volvo Reman turbo actuators are completely disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to Volvo / Reman latest specifications. One hundred percent new gaskets, harnesses and circuit boards are installed. Complete actuators are tested to the latest product standards on new production equipment before shipment.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN TURBO COMPOUND UNIT

PART NUMBER

APPLICATION

85021676

D13M EPA17 OBD20 Turbo Compound Unit

*Services 23018941, 23018963,
85021677*

FEATURES

Turbo Compound Units are completely disassembled, and all component parts are thoroughly cleaned and inspected. All critical parts are checked dimensionally. Any parts that do not meet Volvo specifications are scrapped and replaced with genuine new. The units are assembled and tested following the same process and procedures as used in new production. This ensures that performance and reliability standards are met.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN COOLANT PUMPS

PART NUMBER	APPLICATION
8113155	D12B <i>Services 1547155, 1676746, 8149882, 8149941</i>
85000786	D12C, D12D <i>Services 8170305, 85000452, 85111355</i>

FEATURES

Coolant pumps come complete with impeller, gear, O-ring/gaskets, and 100 percent new bearings and unitized-type seal. Completed assemblies are vacuum-tested (where applicable).

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN DRIVING DEVICE

PART NUMBER

APPLICATION

85013115

D12C and D12D Driving device assembly for the fan and alternator

*Services 1547846, 20816480,
20744444, 20511839, 20441702,
8193986, 31655996, 20838388*

FEATURES

Remanufactured housing, gear, hub and shaft. New bearings, gaskets and seals are installed. All driving device assemblies receive rigorous in-process inspections throughout the remanufacturing process to ensure that performance and reliability standards are met.

WARRANTY

1 Year / Unlimited Mileage



VOLVO REMAN EGR VALVE KIT

PART NUMBER

APPLICATION

85153858

D11 and D13 EPA07, EPA10, EPA14, and EPA17 VGT Engine Applications (Kit see below for component details)

Services 20582800, 21021175, 21095328, 21148784, 21299107, 21435628, 21735863, 22026651, 22721861, 85110394, 85111067, 85123198, 85133799, 85020219

FEATURES

All Volvo Reman EGR valves are completely disassembled and cleaned using the latest technology. The components receive rigorous in-process inspections where each is measured to OE / reman specifications. All critical components and “high wear” items are replaced with new, including the control valve, piston assembly, o-rings and seals. Stringent quality control processes ensure performance and reliability standards are met.

NOTE

This kit will service D11 and D13 VGT engines from EPA07 through EPA17.

D11 / D13 EGR VALVE KIT INCLUDES:

- Volvo Reman EGR valve
- Shoulder screws
- V-band clamp
- Attaching clamp
- Gaskets

WARRANTY

One year / unlimited miles



VOLVO REMAN ENGINE CONTROL UNIT

PART NUMBER

APPLICATION

85003745

**All D11, D13, D16 EPA07 and EPA10
Engine, except OBD13**

*Services 20583789, 20977021,
21107008, 21300060, 21358126*

FEATURES

All Volvo Reman engine control units are completely cleaned and inspected for any external visual damage. Old data files are deleted. After multiple testing parameters, the modules are remanufactured and updated to the latest engineering specifications.

WARRANTY

One year / unlimited miles



VOLVO REMAN I-SHIFT C & D MODELS COMPLETE TRANSMISSIONS

PART NUMBER

I-SHIFT COMPLETE TRANSMISSION APPLICATION – STANDARD

85003144

Model **AT2512C** Transmissions
Applications. *Services 3190516,
85003831 (Variants – TC-MWOR,
URETARD, PSS-SING)*

85003145

Model **ATO2512C** Transmissions
Applications. *Services 3190517,
85003832 (Variants – TC-MWOR,
URETARD, PSS-SING)*

85003147

Model **ATO3112C** Transmissions
Applications. *Services 3190519,
85003833 (Variants – TC-MWOR,
URETARD, PSS-SING)*

85020580

Model **AT2612D** Transmissions
Applications. *Services 3190597,
3190800, 3190965, 85003221,
85020022, 85131804 (Variants – TC-
MWOR, URETARD, PSS-SING)*

85020581

Model **ATO2612D** Transmissions
Applications. *Services 3190598,
3190801, 3190967, 85003222,
85020023, 85131805 (Variants – TC-
MWOR, URETARD, PSS-SING)*

Model **ATO3112D** Transmissions
Applications. **(Refer to ATO3112D-HD
for Complete Transmission variant)**

PART NUMBER

I-SHIFT COMPLETE TRANSMISSION APPLICATION – HD

85020349

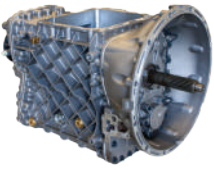
Model **AT2612D-HD** Transmissions
Applications. *Services 3190929*

85020350

Model **ATO2612D-HD** Transmissions
Applications. *Services 3190930*

85020582

Model **ATO3112D-HD** Transmissions
Applications. *Services 3190599,
3190802, 3190897, 3190899,
3190969, 85002033, 85002035,
85003223, 85020024*



VOLVO REMAN I-SHIFT C & D MODELS BASIC TRANSMISSIONS

PART NUMBER

I-SHIFT BASIC TRANSMISSION APPLICATION – STANDARD

85013417

Model **AT2512C** Transmissions Applications
Services 3190516, 85003144, 85003831
(Variants – TC-MWOR, URETARD, PSS-SING)

85013419

Model **ATO2512C** Transmissions
Applications. *Services 3190517, 85003145,*
85003832 (Variants – TC-MWOR,
URETARD, PSS-SING)

85013421

Model **ATO3112C** Transmissions
Applications. *Services 3190519, 85003147,*
85003833 (Variants – TC-MWOR,
URETARD, PSS-SING)

85013431

Model **AT2612D** Transmissions Applications
Services 3190597, 3190800, 3190965,
85003221, 85020022, 85131804
(Variants – TC-MWOR, URETARD, PSS-SING)

85013433

Model **ATO2612D** Transmissions
Applications. *Services 3190598, 3190801,*
3190967, 85003222, 85020023,
85131805, 85020581 (Variants – TC-MWOR, URETARD, PSS-SING)

Model **ATO3112D** Transmissions
Applications. **(Refer to ATO3112D-HD for
Basic Transmission replacement)**

PART NUMBER

I-SHIFT BASIC TRANSMISSION APPLICATION – HD

85020435

Model **AT2612D-HD** Transmissions
Applications. *Services 3190929,*
85020349

85020436

Model **ATO2612D-HD** Transmissions
Applications. *Services 3190930,*
85020350

85020755

Model **ATO3112D-HD** Transmissions
Applications. *Services 3190599, 3190802,*
3190897, 3190899, 3190969, 85002033,
85002035, 85003223, 85013435,
85020024, 85020582



VOLVO REMAN I-SHIFT C & D MODELS SHORT TRANSMISSIONS

PART NUMBER	I-SHIFT SHORT TRANSMISSION APPLICATION – STANDARD
85013418	Model AT2512C Transmissions Applications Services 3190516, 85003144, 85003831, 85013417. (Variants – TC-MWOR, URETARD, PSS-SING)
85013420	Model ATO2512C Transmissions Applications Services 3190517, 85003145, 85003832, 85013419. (Variants – TC-MWOR, URETARD, PSS-SING)
85013422	Model ATO3112C Transmissions Applications Services 3190519, 85003147, 85003833, 85013421. (Variants – TC-MWOR, URETARD, PSS-SING)
85023329	Model AT2612D Transmissions Applications Services 3190597, 3190800, 3190965, 85003221, 85020022, 85131804, 85013431, 85013422. (Variants – TC-MWOR, URETARD, PSS-SING)
85023331	Model ATO2612D Transmissions Applications Services 3190598, 3190801, 3190967, 85003222, 85020023, 85131805, 85020581, 85013433, 85013434. (Variants – TC-MWOR, URETARD, PSS-SING)
	Model ATO3112D Transmissions Applications (Refer to ATO3112D-HD for Short Transmission replacement)
PART NUMBER	I-SHIFT SHORT TRANSMISSION APPLICATION – HD
85020442	Model AT2612D-HD Transmissions Applications. Services 3190929, 85020349, 85020435.
85023335	Model ATO2612D-HD Transmissions Applications. Services 3190930, 85020350, 85020436, 85020443.
85023337	Model ATO3112D-HD Transmissions Applications. Services 3190599, 3190802, 3190897, 3190899, 3190968, 3190969, 85002033, 85002035, 85003223, 85013435, 85013436, 85020024, 85020582, 85020755, 85020756.



VOLVO REMAN I-SHIFT C, D & F MODEL COMPLETE TRANSMISSIONS

FEATURES

All Volvo Reman I-Shift Transmissions are completely disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to OE / reman specifications. One hundred percent new bearings, seals and gaskets are installed. All critical components and “high wear” items are replaced with new. Remanufactured components undergo stringent quality control processes using precision machining centers to ensure performance and reliability standards are met. Complete and Basic transmissions are dyno tested under load for proper function before shipment.

COMPLETE TRANSMISSIONS

Includes clutch control actuator, transmission ECU, top shift cover assembly and solenoid.

BASIC TRANSMISSIONS

Same as a Complete without the clutch control actuator, transmission ECU, top shift cover assembly and solenoid.

SHORT TRANSMISSION

Same as a Basic without the range shift assembly.

WARRANTY

I-Shift Complete transmission warranty is 2 years / unlimited miles.

I-Shift Basic transmission warranty is 2 years / unlimited miles.

I-Shift Short transmission warranty is 1 Year / Unlimited Mileage.

VOLVO REMAN TRANSMISSION RANGE SECTION



PART NUMBER

85020424

I-SHIFT “TRANSMISSION RANGE SECTION” APPLICATION

Model C, D and F Transmission Applications

FEATURES

All Volvo Reman I-Shift Transmission range sections are completely disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to OE / reman specifications. One hundred percent new bearings, seals, gaskets and speed sensor are installed. The latest engineering updates for high range drum, range clutch, engaging ring and synchronizer ring are utilized. All critical components and “high wear” items are replaced with new. Machining of remanufactured components undergo stringent quality control processes using precision machining centers to ensure performance and reliability standards are met.

WARRANTY

One year / unlimited miles

WARNING: Use of a transmission range section other than what is listed above may result in failure or unsatisfactory performance, and will void warranty.



VOLVO REMAN I-SHIFT F-MODEL COMPLETE TRANSMISSIONS

PART NUMBER	I-SHIFT COMPLETE TRANSMISSION APPLICATION - STANDARD
85020880	Model AT2612F 12 Speed <i>Services 60150826</i>
85020878	Model ATO2612F 12 Speed <i>Services 60150828</i>
85022581	Model ATO2612F 12 Speed "Wide Bearing" <i>Services 60151002</i>

PART NUMBER	I-SHIFT COMPLETE TRANSMISSION APPLICATION - HD
85020879	Model AT2612F-HD 12 Speed HD <i>Services 60150827</i>
85020877	Model ATO2612F-HD 12 Speed HD <i>Services 60150829</i>

PART NUMBER	I-SHIFT COMPLETE TRANSMISSION APPLICATION - CRAWLER
85020875	Model AT2612F-HD-ULC 13 and 14 Speed <i>Services 60150831, 60150834</i>
85020874	Model ATO2316F-HD-ULC 14 Speed <i>Services 60150832</i>
85020871	Model ATO2612F-HD-C 13 Speed <i>Services 60150835</i>

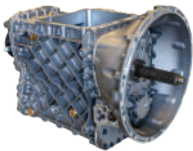
FEATURES

Volvo Reman F-Model I-Shift complete, basic and short transmissions are completely disassembled, cleaned and rigorously inspected. All critical and "high wear" items are replaced with new. Remanufactured components are precision machined. Each component is measured to OE / reman specifications.

WARRANTY

I-Shift F-Model Complete and Basic Transmission Warranty is 2 years / unlimited miles.

I-Shift Short Transmission Warranty is 1 Year / Unlimited Mileage.



VOLVO REMAN I-SHIFT F-MODEL BASIC TRANSMISSIONS

PART NUMBER I-SHIFT BASIC APPLICATION - STD

85002281 **Model AT2612F 12 Speed**
Services 60150826, 85020880

85002283 **Model ATO2612F 12 Speed**
Services 60150828, 85020878

PART NUMBER I-SHIFT BASIC APPLICATION - HD

85002282 **Model AT2612F-HD 12 Speed HD**
Services 60150827, 85020879

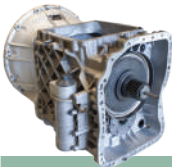
85002284 **Model ATO2612F-HD 12 Speed HD**
Services 60150829, 85020877

PART NUMBER I-SHIFT BASIC APPS - CRAWLER

85002313 **Model AT2612F-HD-ULC 13 and 14 Speed**
Services 60150831, 85020875

85002314 **Model ATO2612F-HD-ULC 14 Speed**
Services 60150832, 85020874

85002315 **Model ATO2616F-HD-C 13 Speed**
Services 60150835, 85020871



I-SHIFT F-MODEL SHORT TRANSMISSIONS

PART NUMBER I-SHIFT SHORT APPLICATION - STD

85023387 **Model AT2612F 12 Speed**
*Services 60150826, 85020880, 85002281,
85002285*

85023416 **Model ATO2612F 12 Speed**
*Services 60150828, 85020878, 85002283,
85002287*

85022583 **Model ATO-2612F 12 Speed "Wide Bearing"**
Services 60151002, 85022581

PART NUMBER I-SHIFT SHORT APPLICATION - HD

85023343 **Model AT2612F-HD 12 Speed HD**
*Services 60150827, 85020879, 85002282,
85002286*

85002288 **Model ATO2612F-HD 12 Speed HD**
Services 60150829, 85020877, 85002284

PART NUMBER	I-SHIFT SHORT APPS - CRAWLER
85002316	Model AT2612F-HD-ULC 13 and 14 Speed <i>Services 60150831, 85020875, 85002313</i>
85002317	Model ATO2612F-HD-ULC 14 Speed <i>Services 60150832, 85020874, 85002314</i>
85023350	Model ATO2612F-HD-C 13 Speed <i>Services 60150835, 85020871, 85002315, 85002318</i>



CLUTCH CONTROL ACTUATOR

PART NUMBER	APPLICATION
85022454	C, D, & F model I-Shift AMT including ATO3112C & ATO3112D with single mass flywheel

FEATURES

All Volvo Reman Clutch Control Actuators are fully disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to OE/Reman specifications. All critical components and “high wear” items are replaced with new. Final assembly is completed and tested the same as new.

WARRANTY

1 Year / Unlimited Mileage

VOLVO REMAN CONTROL UNITS, CYLINDER HOUSINGS, TOP COVERS



CONTROL UNIT (GCU)



CYLINDER HOUSING (MU)
(No Top Cover)



TOP COVER (TECU)

PART NUMBER

CONTROL UNIT APPLICATION

85020894

I-Shift "C" and "D" Models

*Services 20829006, 21244587, 21571888
21484417, 22117375, 22780684,
85013942*

PART NUMBER

CYLINDER HOUSING APPLICATION

85021320

I-Shift "C" and "D" Models

*Services 20775880, 21244590,
21571890, 22106416, 22780686,
85021097*

PART NUMBER

TOP COVER APPLICATION

85013226

I-Shift "C" and "D" Models

Services 20829012, 21274018, 21484418

FEATURES

All remanufactured control units, cylinder housings and top covers are completely cleaned and inspected for any damage, and are remanufactured according to the latest engineering specifications. All components are tested using OE test machines and measured to OE / reman specifications.

NOTE

Be sure to note in your dealer management system the availability of these reman alternative offerings, as well as update your LPA ordering to include these options.

WARRANTY

1 Year / Unlimited Mileage

WARNING: Use of a control unit, cylinder head or top cover other than what is listed above may result in failure or unsatisfactory performance, and will void warranty.



VOLVO REMAN DEF PUMP

PART NUMBER

APPLICATION

85003865

D11, D13 and D16 EPA10 through EPA17

Chassis Applications

Services 21577507

FEATURES

All Volvo Reman DEF pumps are disassembled and cleaned using the latest technology. The disassembled components receive rigorous in-process inspections where each is measured to OE / reman specifications. All critical components and “high wear” items are replaced with new. Final assembly is completed and tested on the same production line as new.

WARRANTY

1 Year / Unlimited Mileage

VOLVO REMAN



VOLVO REMAN

**Volvo Trucks North America
7900 National Service Road
Greensboro, NC 27409**