



**Components
Designed for Direct
OEM Replacement**

Emissions & Exhaust



going the extra mile

DinexEmission.com



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**Dinex USA is in Business to
be a Catalyst for Commerce
and Conservation**

We are always looking for ways to improve your customer experience. Which means we want to hear from you. Have an idea how Dinex can do better? Email or call us. Innovation and success comes from us working together.



Why Partner with Dinex?

Dinex Program Benefits

Providing tools and support



Products

Kits: Competitively priced Dinex DPFs, DOCs, and Flex and Bellows come in kits that include Clamps and Gaskets.

Warranty: Two years, unlimited miles for after treatment systems (DPFs, DOCs) and one year, unlimited miles for pipe treatment systems.



Tools and Training

Cross-reference Website Database: DinexEmission.com makes finding the right ATS kit a breeze. The comprehensive cross reference system is easy to use. You can enter partial part numbers, search by engine make and model, and the fully responsive design allows for seamless access via your mobile.

Training: DPF and DOC technical and sales training provided.



Support

Customer Service: Talk to real people with dedicated aftermarket business support.

Sales Support and Training: DPF and DOC technical and sales training provided.

Cooperative Marketing: Co-branded flyers, emails – ready to send, social media promotions, and analytics offerings. Or, send us your co-branded marketing ideas!

Why Dinex For Your Customers?



Swing Stock Program

Make sure the right part is always on the shelf with Dinex's Swing Stock program. On approval from your distributor, Dinex will ship up to three DPFs and three DOCs – paired part numbers – to each fleet location. Enjoy the convenience of having the right DPFs/DOCs on your shelf without up-front out-of-pocket costs.



Warranty

Two years, unlimited miles for after treatment systems (DPFs, DOCs) and one year, unlimited miles for pipe treatment systems.



Exact Fit

No guessing or worrying if it'll work. Dinex DPFs, DOCs, and Flex & Bellows Kits are exact fit, saving you hassle and downtime in the shop.



Clamps and Gaskets

Clamps and gaskets are included in all Dinex kits, including DPF Kits, DOC Kits, and Flex & Bellows Kits, saving you time and ordering hassles.



Flex & Bellows Kit Upgrades

Dinex Flex & Bellows Kits decouple engine torque and heat expansion for a better regen. Bellows, 3S Flex, and 2S Kits come in multiple dimensions and lengths to fit your needs. Each kit comes with clamps and gaskets needed for install, saving money and time from ordering several parts.

After Treatment Systems





Dinex DPF Kits - Diesel Particulate Filters

EXACT FIT FOR

Caterpillar

Cummins

Detroit Diesel

Hino

Isuzu

Mack

Mercedes

Navistar

Paccar

Sprinter

Volvo

Dinex aftermarket DPF Kits

- Are new
- Have no core requirements
- Include clamps and gaskets
- Are less expensive than OEM
- Meet or exceed OEM specs for particulate matter and back pressure
- Have a 2-Year, unlimited miles Warranty
- Are built to last, using high grade stainless steel and platinum group metals
- Use proven technology with more than 30,000 Dinex DPF systems installed around the world



Platinum Group Metallurgy

Dinex DPF Kits use a unique mix of precious metals washcoat and substrate to turn soot into EPA acceptable exhaust. Dinex emissions systems have been tried and tested to meet or exceed the standards set out by OE manufacturers.

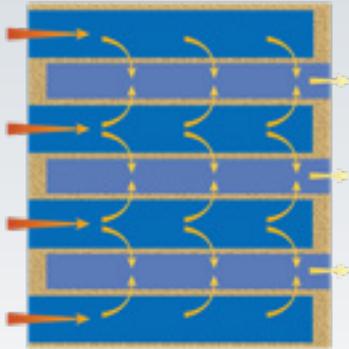


What is a DPF?

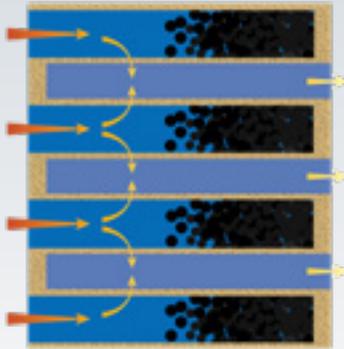
DPF stands for Diesel Particulate Filter.

Its purpose is to filter Diesel Particulate Matter (DPM), also known as soot, out of exhaust gasses.

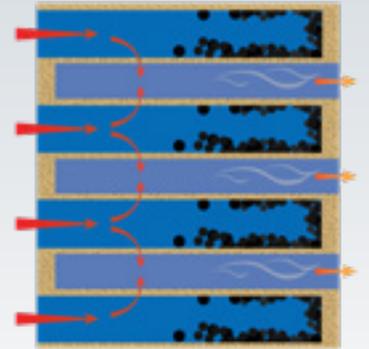
How Does a DPF Work?



Exhaust gasses containing soot enter the DPF. The filter traps any matter larger than one micron, allowing gasses through.



Over time, soot builds up in the DPF. Eventually, this causes backpressure detected by the Engine Control Unit (ECU) necessitating regeneration.



Regeneration (regen) requires high exhaust temperatures of 570°-750°C. Combining high temperatures and a unique mix of precious metals washcoat and substrate turns soot into ash. The DPF is now regenerated and ready for use.

Primary Components of a DPF



Filter

Cordierite wall flow filter traps matter larger than one micron

Metal Case

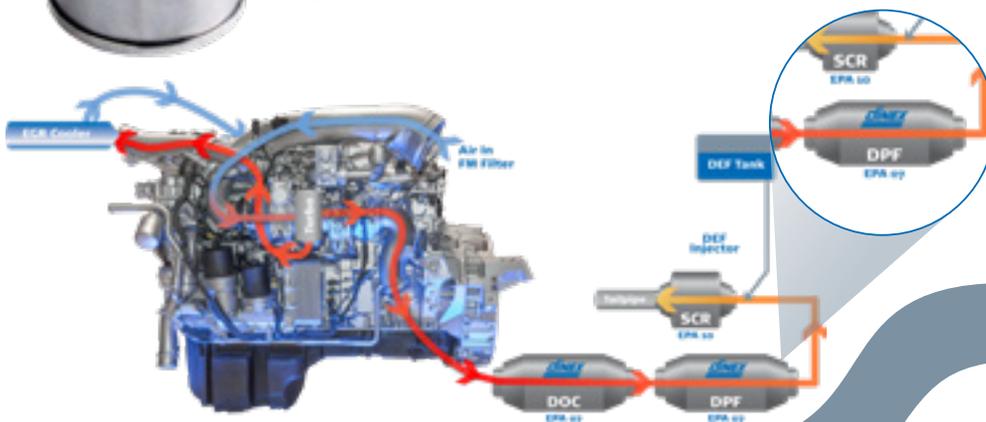
Stainless steel metal casing designed to withstand extreme temperatures

Types of Regen

Passive: Automatic regen that occurs when the DPF reaches the correct exhaust temperatures.

Active: If a regen doesn't complete a cycle, but sensors indicate DPF has reached capacity, an active regen occurs. The DPF dashboard light indicator will come on and the vehicle must continue to move to finish the cycle.

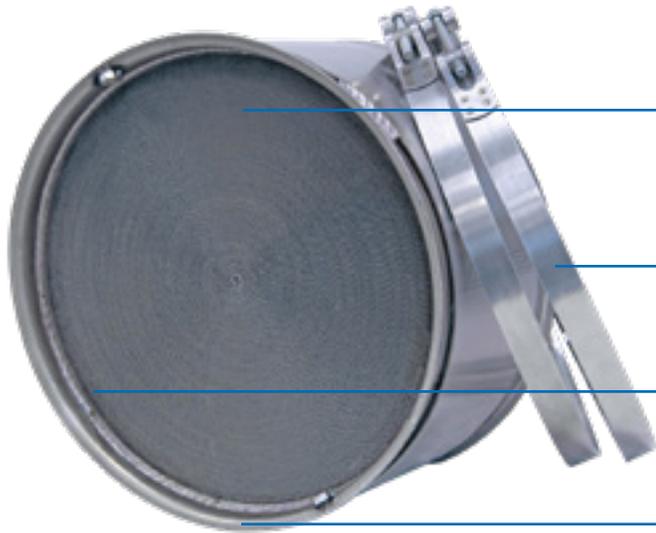
Manual: If an active regen can't complete, typically due to short drive times, then a manual regen will be required in a shop.



going the extra mile



Dinex DOC Kits - Diesel Oxidation Catalyst



Metal Core

Have a metallic core, which makes for a more durable DOC than comparable ceramic cores, keeping you on the road longer.

Clamps and Gaskets Included

Comes with clamps and gaskets needed for install, saving money and time from ordering several parts.

Built to Last

Are built with a full drum weld to ensure the DOC cannot breach.

Perfect Fit

Fit perfectly with Dinex DPF Kits, providing for an easy install experience.

Dinex aftermarket DOC Kits

- Are new
- Have no core requirements
- Are less expensive than OEM
- Have a 2-Year, unlimited miles Warranty
- Are built to last, using high grade stainless steel used in canning



Premium Clamps & Gaskets

Looped Ends

Looped ends provide a greater adjustment range and band tension.

360° Seal

Full 360° seal means lower leakage rates.

Beveled Shape

Beveling provides a better seal.



Dinex premium clamps are designed to form around the shape of each DPF/DOC pipe, fasteners working independently to provide maximum deformation, resulting in the best fit.

What is a DOC?

DOC stands for Diesel Oxidation Catalyst. The DOC works in conjunction with the DPF by heating the exhaust going into the DPF so the exhaust is hot enough to burn the soot out of the DPF.

How Does a DOC Work?



When an active or manual regen is required, the HC (hydrocarbon) injector adds a bit of fuel into the exhaust system.



The HC injector is also called the fuel doser or after treatment injector.



The dosed diesel goes onto the DOC, which, by catalytic reaction heats up the DPF.

The Ideal Gas Law

$$PV = nRT$$

Diagram illustrating the Ideal Gas Law equation $PV = nRT$. The variables are labeled as follows:

- P**: pressure (indicated by a downward arrow)
- V**: volume (indicated by an upward arrow)
- n**: amount of substance (indicated by a downward arrow)
- R**: ideal gas constant (indicated by an upward arrow)
- T**: temperature (indicated by a downward arrow)

Leaks in upstream pipe. To see how leaks in upstream pipes affects proper DOC and DPF function, we just need to look at the physics. Take a look at the Ideal Gas Law. In a manufactured structure such as a truck exhaust system, there are constants. Gas volume (V), gas mass (n), and gas constant (R) are predetermined by the exhaust makeup. However, pressure (P) and temperature (T) are variables in this system. If the pressure is low due to leaks in the upstream pipe, then the temperature will, by the laws of physics, be lower too.

Regen cannot take place if the system can't get up to temperature. Possible leak sources include the turbo, the EGR cooler, pipes, at the clamps, and bellows.

When Do You See Failures in the DOC?

Typically, it is not the DOC that fails, but a failure happens upstream. This causes the DOC to stop working and you get cool regen.

Common Upstream Failures

The HC injector clogged.

Fuel can mix with soot to clog the injector.

The air filter is full. The DOC needs air when it ramps up to go through regen. If the air filter is full or clogged, the DOC can't get air.

After Treatment Systems



Engine Make
Caterpillar

DPF Kits



Engine Model	Part # Cross Reference				Dinex Part #
C13/C15	290-0045 10R-6088	301-7856 C0013-SA	C17-0040	C013-SA	46002
C13/C15	10R-6089 173-3481 291-8694	291-8519 294-8694	C17-0051 293-9990	C012-SA C0012-SA	46003

Clamps & Gaskets



Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference	Clamp Part #	Part # Cross Reference
46002	46806	279-2123	46804	279-2124
46003	46807	278-5711	46805	278-5712

Dinex DPF and DOC Kits include clamps and gaskets. Clamps and gaskets may also be ordered separately.

After Treatment Systems



Engine Make
Cummins

Cummins DPF Kits



Engine Model	Part # Cross Reference				Dinex Part #
ISB	4965227NX Q617940A	C17-0058	C024-SA	C0024-SA	58005
ISB	Q612386A Q621386	4965287NX C17-0029	C023-SA	C0023-SA	58007
ISB	3618711 Q629355	2871461NX	C17-0081	C0128-SA	58028
ISB	2871462NX C17-0080	A040M135	C098-SA	C0098-SA	58029
ISB	5295603NX	C0161-SA			58067
ISC	4969838NX Q621371 Q623316	4965286 4969839NX 4969839	C17-0042 Q623804	C003-SA C0003-SA	58003
ISC	3103617 061794A0A 619733 Q619733 619496	3976606 3978026 3999661 3999662 Q617940	C17-0054 Q619495 Q619725 Q617940A	Q617788 C026-SA C0026-SA Q619496	58009

After Treatment Systems

Cummins DPF Kits continued

Engine Model	Part # Cross Reference				Dinex Part #
ISC	5295606NX	C0136-SA			58030
ISL/ISM	2880169NX 4965244NX 49650550 Q621378 28894071	4965244 N8894071 4352923NX 4352921NX	C17-0031 2880281NX C073-SA C0073-SA	C0135-SA C004-SA C0004-SA C17-0085	58004
ISL	Q629362 C17-0030	2871463NX	C062-SA	C0062-SA	58006
ISL	Q629361 2871459NX	2871459 C17-0074	C0C5-SA	C0125-SA	58012
ISM	4965224NX C17-0043	4352989NX	C022-SA	C0022-SA	58010
ISM	5273093NX	C17-0088	C090-SA	C0090-SA	58033
ISM	3817962C91 Navistar Assembly No. 4352920NX	4965055NX 2817962C91 2606777C1 4936737NX	C17-0038 3623370C93 4352920 C018-SA	C0018-SA 4936737 4965055	65012
ISX	2871578NX Q629458	1827739PEX C17-0037	C066-SA C0066-SA	C067-SA C0067-SA	58008
ISX	4969702NX 2880168NX 4965129NX 4965226NX 4969700NX	5283778NX 5297522NX 5297990NX 5283669 5297522	C17-0032 4969701NX 5283669NX 4388409RX 5297990	C001-SA C0001-SA 5283778 4388409RX 4969702	58001
ISX	Q629477 2871581NX	1827310PEX C17-0068	C033-SA C0033-SA	C099-SA C0099-SA	58011
ISX	4965322 20970295 5297989NX 4969703 5283799	5283799NX 85000761 85001352 85000751 20863859	4965129D 4965305NX 4969703NX 5297989 85001366	C17-0044 C021-SA C0021-SA 21850651 4388411	82002
ISX	5295609 5295609NX 5011031R91 2510795C91	5295609RX 2510616C91 C17-0079	C17-0090 C0H4-SA C0A7-SA	C0107-SA C0107-ID C0154-SA	58014
ISX	5295604NX	5295604RX	C17-0084	C0134-SA	58031
ISX	5295605NX	C17-0073	C0153-SA		58035

Cummins DOC Kits



Engine Model	Part # Cross Reference				Dinex Part #
ISB	4965285NX C20-001	5287480NX A035H236	COA3-ID	C0103-ID	58022
ISB	5287477NX C20-002	4965222NX	CO01-ID	C0121-ID	58054
ISB	4965338NX	5287474NX	C0119-ID	COB9-ID	58053
ISB/ISC	2885940NX	COH8-ID	C0158-ID		58063
ISC	4965353NX	C0092-ID			58044
ISC	5287491NX	4965352NX	COB7-ID	C0117-ID	58052
ISC/ISL	2871923NX 26326120259	A029B190 C20-0011	281923 COE7-ID	C0137-ID	58059
ISC/ISL	4965284NX 5287496RX	5287496NX C20-002	A035H295 C005-ID	C0005-ID	58023
ISL/G	4969771	4969770	COA1-ID	C0101-ID	58045
ISL/G	4969668NX	5287516NX	C072-ID	C0072-ID	58050
ISM/ISL	4936736NX 2606987C91	5287519NX A035H544	4969719NX C20-0017	C017-ID C0017-ID	58039
ISM	4965243NX C20-003	5287191NX A035G674	CO28-ID	C0028-ID	58015
ISM	5287521 C20-004	4965223NX A035H536	CO43-ID	C0043-ID	58024
ISM	4965217NX	5287520NX	CO46-ID	C0046-ID	58043
ISM	4969846NX A68040903214	5287522NX	COE1-ID	C0131-ID	58058
ISM	4969722NX 4965078NX	5287515NX	COE9-ID	C0139-ID	58060
ISX	2885941NX	2888263NX	COA9-ID	C0109-ID	58020
ISX	2871496NX C20-0019	2888250NX A030W859	CO76-ID	C0076-ID	58016
ISX	2888249NX 4965317NX	A030W858 4969542NX	C20-005 C060-ID	C0060-ID	58025
ISX	4969718NX	2888261NX	CO10-ID	C0010-ID	58048
ISX	288050NX	CO04-ID	CO124-ID		58055
ISX	4328760NX	CO06-ID	CO126-ID		58056

After Treatment Systems

Cummins DOC Kits continued

Engine Model	Part # Cross Reference				Dinex Part #
ISX	2888247NX 4695304 C0015-ID	4965304NX 4695304NX	A035W856 C20-007	C015-ID C0015-ID	58027
ISX	2888248 4965225NX	2888248NX A030W857	C20-006 C038-ID	C0038-ID	58026
ISX	2880506NX	C20-0015	COB2-ID	C0112-ID	58040
ISX	2880582NX 5286910NX COB5-1D	5298340NX C027-ID C0115-ID	4353249NX C0127-ID 1837300PE	COB1-ID C0111-ID	58041
ISX	2888262NX 2606971 A030X734	4936734NX 4969721NX 2880259NX	Q62230 2607044C91 C20-0020	C016-ID C0016-ID	58017
ISX	3103618 Q619494	Q619723 3999660	C034-ID	C0034-ID	58042
ISX	5309560NX	4353264NX	COH2-ID	C0152-ID	58021
ISX	2880505NX	COA6-ID	C0106-ID		58019
ISX	2880174NX	COB4-ID	C0114-ID	COV7-ID	58018
ISX	5298349NX 1837303PE	4353221NX C070-ID	2871577NX C0070-ID	COF3-ID C0143-ID	58062
ISX	5274535NX				58066



Cummins Clamps & Gaskets



Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference		Clamp Part #	Part # Cross Reference		
58001	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58003	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58004	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58005	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
58006	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58007	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
58008	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58009	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58010	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58011	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58012	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58014	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58015	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58022	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
58023	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58024	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682

After Treatment Systems

Cummins Clamps & Gaskets continued

Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference		Clamp Part #	Part # Cross Reference		
58025	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58026	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58027	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58028	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
58029	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
58030	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58031	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58033	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
58035	65821	2871452CUM	4965072	58825	2871862CUM	Q187681	287186CUM
58043	58817	2871453 21371338	1818631PE 2871453CUM	65822			
58054	65831	2871451		58824	2871862	Q187680	X12C0-0140-VB
65012	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682
82002	58817	2871453		65822	2607045c1 2871859 2871863CUM	2871863 1912710PE	X1200-01342-VB Q187682



Engine Make
Detroit Diesel

Detroit Diesel DPF Kits



Engine Model	Part # Cross Reference		Dinex Part #	
DD13/DD15	EA6804910794 RA6804910794	A0004903492 RA0014907192	C17-0067 C029-SA	C0029-SA 35008
DD15	EA0014903592 A6804910894 EA6804910894	EA0014903492 A6804903792	RA00149803492 EA00149803492	C080-SA C0080-SA 35007
MB OM926	A6804910094 Superseded by RA6804910097	RA6804908792 R23537521 RA6804910097	A6804906192 A6804904392 A6804905792	C17-0039 C054-SA C0054-SA 35006
MP7	A6804910494 RA0004903692	A0004903692 EA6804910494	C088-SA	C0088-SA 35011
S60	A6804910294 A6804908692 A6804910594	23537225 EA6804910294	E6804910594 C17-0036	C002-SA C0002-SA 35002

Detroit Diesel Clamps & Gaskets



Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference	Clamp Part #	Part # Cross Reference
35002	35805	A4709970045 21424458	35806	A470995002 21048512 2023037 X12C0-01418-VB
35006	35816	A6804910180	35818	A6809950102
35007	35817	A6804910480	35822	A6809950202 100289 X12C0-0150-VB
35008	35805	A4709970045	35821	998YM-1452
35011	35817	A6804910480	35822	A6809950202 100289 X12C0-0150-VB
DinFit Clamp			35825	A6809950302
1-Box Clamp/ Gaskets KIT			35827	

After Treatment Systems



Engine Make
Hino

Hino DPF Kits



Engine Model	Part # Cross Reference		Durafit Part #	Dinex Part #
J08E	S1805C0B5 S1850E0580	S1805E0B5 S1850E0B00	C0F9-SA C0149-SA	34602



Engine Make
Isuzu

Isuzu DPF Kits

Engine Model	Part # Cross Reference		Durafit Part #	Dinex Part #
6HKL	8-97608-057 897608057	8-97608057 C17-0072	C053-SA C0053-SA	39000

After Treatment Systems



Engine Make
Mack/Volvo

Mack/Volvo DPF Kits



Engine Model	Part #	Cross Reference			Dinex Part #
D11/D13/D16	20864127 21850658	85000726 0621938	C17-0045 C006-SA	C0006-SA	82006
D13/8	21212426 21212428 21415912 2121243	21212431 21212429 22810503 22413832	22810502 C17-0057 C061-SA	C0061-SA C064-SA C0064-SA	82010
MP7	4965322 20970295 5297989NX 4969703 5283799	4965129D 4965305NX 4969703NX 5283799NX 85000761	85000751 20863859 85001366 21850651 4388411	C17-0044 C021-SA C0021-SA 5297989 85001352	82002
MP7	20231111 21048577 21817835	21804785 85000899 85003793	85125682 20992181 C17-0035	C049-SA C0049-SA	82008
MP7/MP8	21905492 85001367	20864558 C17-0046	C050-SA	C0050-SA	82009
MP7/MP8/D11/D13	22761989	22342601	21471269	C0165-SA	82013
MP7	21395825	85124613	C095-SA		82014
MP8	20864316 21851879	85000725 21905428	C17-0048 C044-SA	C0044-SA	82011
MP7	20863859 85001352	21850651 C007-SA	86000761 C0007-SA	85000751	82020

After Treatment Systems

Mack/Volvo DOC Kits



Engine Model	Part # Cross Reference				Dinex Part #
D13	21850645 Q619723 20864129	85001355 Q621417	28064129 C20-0009	C009-ID C0009-ID	82012
D13/MP8	20864132 850001354	85000779 21850647	COB6-ID	CO116-ID	82019
MP7	20863840 85000777	21850643 85001356	CO08-ID	CO008-ID	82016

Mack/Volvo Clamps & Gaskets



Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference	Clamp Part #	Part # Cross Reference	
82002	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM 2871863
82006	82810	21371339		82809	21445458
82008	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM 2871863
82009	58817	2871453 21371338	1818631PE 2871453CUM	65822	2607045c1 2871859 2871863CUM 2871863
82010	82825	21212522		82824	21212520
82011	82810	21371339		82809	21445458
82012	82810	21371339		82809	21445458
82013	35805	A4709970045		35806	A470995002
82014	35805	A4709970045		35806	A4709950002

After Treatment Systems



Engine Make

Mercedes-Sprinter

Mercedes-Sprinter DPF Kits



Engine Model	Part # Cross Reference	Dinex Part #
3.0L	906-490-0792 490-0792 w/WB 3665	4285623 56346

After Treatment Systems



Engine Make
Navistar

Navistar DPF Kits



Engine Model	Part # Cross Reference				Dinex Part #
MaxxForce 7/DT	2594356C91 2594356R91	5010834R91 C17-0061	C058-SA	S0058-SA	65013
MaxxForce 7/DT	2594165C91 5010830R91	2594165R91 C17-0053	C047-SA	C0047-SA	65018
MaxxForce 7/DT	2604873C91 2605123C91 A00383921 82003341	C17-0060 2593981C91 Flanged; Horizontal or Vertical	COB3-SA 5010847R91 5010836R91 2594022C91	C0113-SA C057-SA C0057-SA	65005
MaxxForce 7/DT	2514351C91 2594363C91	5010838R1	COF6-SA	Co146-SA	65024
MaxxForce 7/DT	2605124C1 2605837C1	5010850R1	C17-0082	Co144-SA	65023

After Treatment Systems

Navistar DPF Kits continued

Engine Model	Part # Cross Reference				Dinex Part #
MaxxForce 9	2604870C91 A00317258 2604870R91	5010852R1 2605796C91 2611630C91	C17-0062 5010846R1	C078-SA C0078-SA	65009
MaxxForce DT 7/9/10	2605039C91 A00420195 82002806 2604430R91 2613113C91	5010843R1 5010853R1 3712647C91 2612521C91 2604430C91	C17-0064 2612512C91 2594131C91 A00574039 5010832R91	C17-0041 C048-SA C0048-SA C020-SA C0020-SA	65010
MaxxForce 11/13	Q622369 2596665C91 5010851R1	3817990c91 3817989C91 3817964C91	C17-0055 2596665R91 5010832R91	C030-SA C0030-SA Q621936	65016
MaxxForce 13	CP232717 2604830C91 2604046C91	5010845R1 2604830R91	3859691C94 C17-0056	C079-SA C0079-SA	65011
MaxxForce 13	2604823C91 2603961C91 5010844R1	2604823R91 3886127C91 3859549C93	C17-0059 3930745C91	C091-SA C0091-SA	65014
N13	2510616C91 5295609	5295609NX 5011031R91	5011031R91 2510795C91	C0154-SA C0H4-SA	58014

Navistar DOC Kits



Engine Model	Part # Cross Reference				Dinex Part #
MaxxForce	2594140C9 2594179C91	2594179C91	C019-ID	C0019-ID	65026
MaxxForce 7	2605332C91	C051-ID	C0051-ID		65027
MaxxForce 7	2594200C91	C0B8-ID	C0118-ID		65032
MaxxForce 11/13	2596690C91	C071-ID	C0071-ID		65029
MaxxForce 13	2604039C91 3869133C93	3865483C93 5010811R91	C20-0023 C0A5-ID	C0105-ID	65020
MaxxForce 13	2603960C91 C20-004	5010812R91 C20-024	C0A4-ID	C0104-ID	65021
MaxxForce 13	2596666C91	C0C2-ID	C0122-ID		65025

Navistar Clamps & Gaskets



Dinex DOC/DPF Part #	Gasket Part #	Part # Cross Reference	Clamp Part #	Part # Cross Reference	
58014	58817	2871453 21371338	1818631PE 2871453CUM	65822 2607045c1 2871859 2871863CUM 2871863	1912710PE X1200-01342-VB Q187682
65005	65829	2593998c1	N/A	N/A	
65005	65830	2593986c1	2593986C91	N/A	N/A
65009	65829	2593998c1	N/A	N/A	
65009	65830	2593986c1	2593986C91	N/A	N/A
65010	65832	2594129C1	65834	2594128C1	
65011	35823	2604051C1	35820	2604049C91	X12C0-01338-VB
65013	65829	2593998C1	N/A	N/A	
65013	65830	2593986C1	2593986C91	N/A	N/A
65014	35823	2604051c1	35820	2604049c91	X12C0-01338-VB
65016	58817	2871453	65822	2607045c1 2871859 2871863CUM 2871863	1912710PE X1200-01342-VB Q187682
65018	65832	2594129c1	65834	2594128c1	
65019	58817	2871453 21371338	1818631PE 2871453CUM	65822 2607045c1 2871859 2871863CUM 2871863	1912710PE X1200-01342-VB Q187682
65020			58810	10028-6	
65021			58810	10028-6	
65023	65832	2594129C1	65834	2594128C1	
65024	65832	2594129C1	65834	2594128C1	

After Treatment Systems



Engine Make
Paccar

Paccar DPF Kits



Engine Model	Part # Cross Reference				Dinex Part #
MX-13	1827739PEX 2871578NX	Q629458 C17-0037	C067-SA C0067-SA	C066-SA C0066-SA	58008
MX	1906311PEX	C0H9-SA	C0159-SA		58036
MX	1900626PE	C0155-SA			58065
PX6	4965227NX Q617940A	C17-0058	C024-SA	C0024-SA	58005
PX6	4965287NX (58005 w/Heatshield)	Q612386A Q621386	C17-0029 C023-SA	C0023-SA	58007
PX8	4969838NX Q621371 Q623316	4965286 4969839NX 4969839	4965286NX 4969838RX Q623804	C17-0042 C003-SA C0003-SA	58003

Paccar Clamps & Gaskets

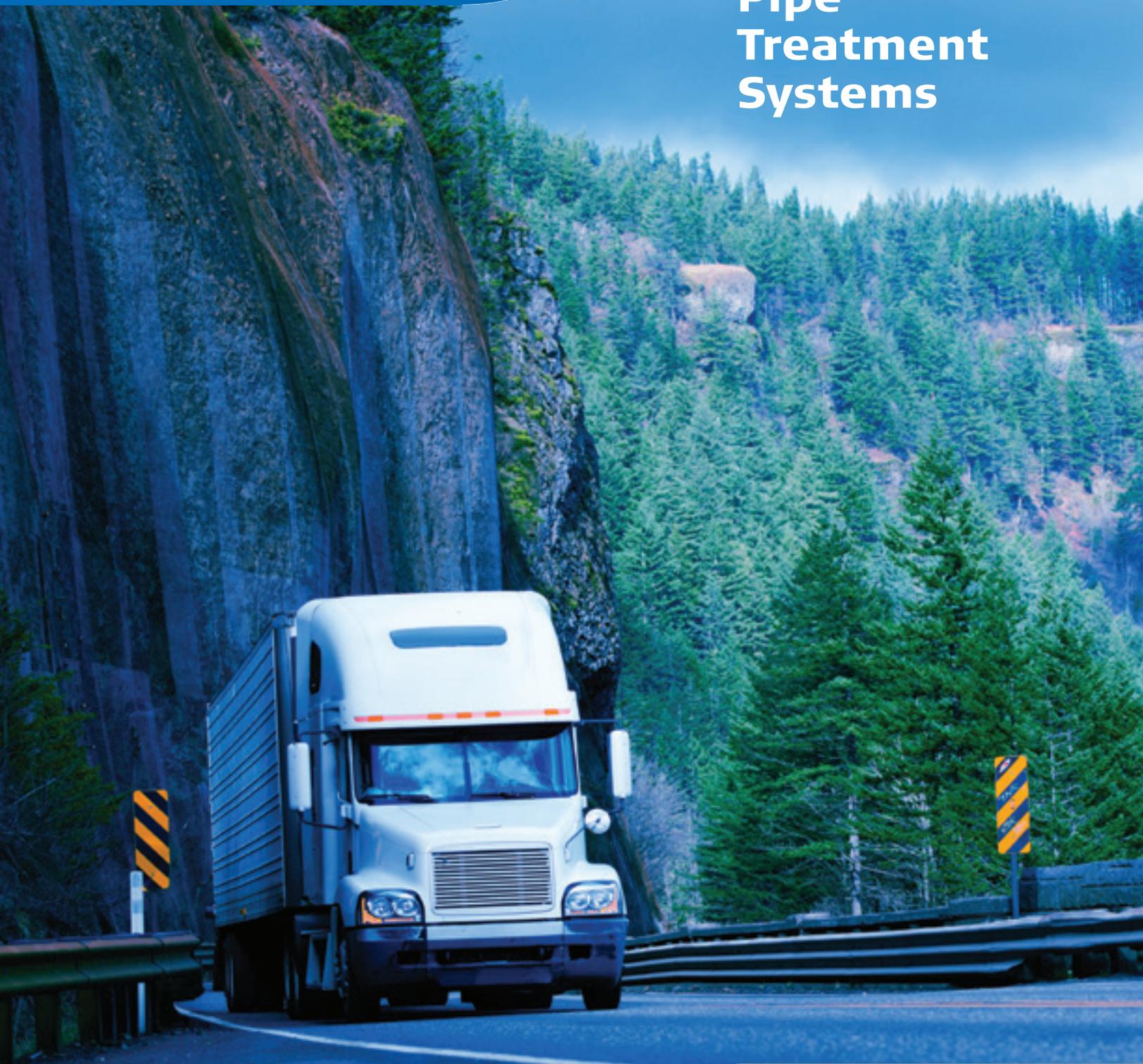


Dinex DOC/ DPF Part #	Gasket Part #	Part # Cross Reference	Clamp Part #	Part # Cross Reference
58003	65821	2871452CUM 4965072	58825	2871862CUM Q187681 287186CUM
58005	65831	2871451	58824	2871862 Q187680 X12C0-0140-VB
58007	65831	2871451	58824	2871862 Q187680 X12C0-0140-VB
58008	58817	2871453 21371338 1818631PE 2871453CUM	65822	2607045c1 1912710PE 2871863 2871859 Q187682 X1200-01342-VB 2871863CUM
58036	58817	2871453 21371338 1818631PE 2871453CUM	65822	2607045c1 2871863 X1200-01342-VB 2871859 1912710PE Q187682 2871863CUM
58065	58817	2871453 21371338 1818631PE 2871453CUM	65822	2607045c1 2871863 X1200-01342-VB 2871859 1912710PE Q187682 2871863CUM

Replacement Sensor Ports

Dinex Sensor Port Part #	Description
17200018	Boss, M12*1.25, 5.6 Thru
17200019	14MM*1.5 Inverted Flare Fitting
17200020	Fitting, Inverted Flare, M16 x 1.5
17200022	Boss, M14 1.5 x 22 LG, Ø7.5 Thru
17200023	Boss, M14-1.5 x 22 LG, Ø7.5 Thru
17200024	Boss, M14-1.5 x 34 LG, Ø5.5 Thru
17200025	Boss, M14-1.5 x 34 LG, Ø5.5 Thru
17200026	Boss, M12 x 1.25, 4.5 Thru
17200027	Boss, M14-1.5
17200028	Boss, M16-1, 7.5 Thru
17200029	Boss, M20-1.5
17200030	Boss, M12-1.25, Ø6.4 Thru
17200035	Boss, M14*1.5, 9.5 Thru Rev Flare

Pipe Treatment Systems



going the extra mile

DinexEmission.com



A Look at Dinex 3S Flex and Bellows

Choosing the Best Option for You

Durable Dinex 3S Flex and Bellows absorb engine vibrations, engine torque, heat expansion, and come with clamps and gaskets. We offer both 3S Flex and Bellow options for many engine models we cover, with more options being added monthly. How do you decide if 3S Flex or Bellows is right? Check out the information below to help you make your choice.



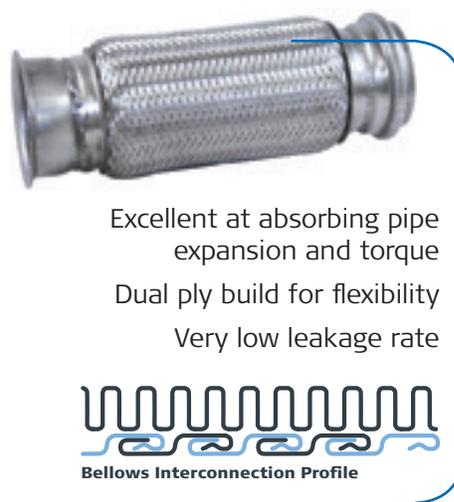
Dinex 3S Flex



Value priced
Handles longer lengths well
Somewhat low leakage rate



Dinex Bellows



Excellent at absorbing pipe expansion and torque
Dual ply build for flexibility
Very low leakage rate



Technical Specifications for Exhaust Hoses

Hose Type	Type D2S - Round Double Interlocked Profile	Type D2S+ - Round Double Interlocked Profile	Type D3S - Double Interlocked Profile with Additional Inside Layer
			
Leakage Rate	15.0 l min-1dm-2 @0.15 bar	9.0 l min-1dm-2 @0.30 bar	2.0 l min-1dm-2 @0.30 bar
Flexibility/ Force	60 - 300 N (± 15mm from mid position)	60 - 250 N (± 23mm from mid position)	60 - 250 N (± 23mm from mid position)
Axial Extension	> = 20% (> = 60 mm)	> = 30% (> = 90 mm)	> = 30% (> = 90 mm)
Maximum Torsion	2° (@ compressed length of 300mm)	5° (@ compressed length of 300mm)	5° (@ compressed length of 300mm)

Freightliner 3S Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex 3S Part #	Dinex Bellow Part #	
Freightliner	04-28578-000	35561	35502	
Freightliner	A04-26193-018 A04-28578-000		35502	
Freightliner	A04-27334-018	35562	35525	
Freightliner	A04-27334-018 A04-26200-018		35525	
Freightliner	04-28522-000	35564	35563	

Freightliner DS3 Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex D3S Part #	
Freightliner	04-19105-017	3FE002	
Freightliner	04-17131-009	3FE003	
Freightliner	04-19105-015	3FE004	

Pipe Treatment Systems

Freightliner Clamps

Engine Make	Flex/Bellow Part #	Clamp Part #	Part # Cross Reference
Freightliner	35561	58810	10028-6
Freightliner	35563 35564	35810	TCX-AM5015AM
Freightliner	35562 35525	35803	RAY/001010-001
Freightliner	35525 35526	99811	
Freightliner	35502	35809	TCX-AM5014AM

International 3S Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex 3S Part #	Dinex Bellow Part #	
International	3826294C2	65525	65509	
International	3628113C5	65526	65510	
International	3820024C3		65527	
International	3820024C3	65528		

International Clamps

Engine Make	Flex/Bellow Part #	Clamp Part #	Part # Cross Reference
International	65509 65526	58810	10028-6
	65510 65527		
	65525 65528		

Kenworth 3S Flex and Bellows Kits

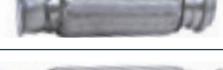
Engine Make	Part # Cross Reference	Dinex 3S Part #	Dinex Bellow Part #	
Kenworth	KW-6542-0335 M66-6542-0335	58509		
Kenworth / Peterbilt	KW-6542-0320 M66-6542-0320	58508		

Pipe Treatment Systems

Kenworth Clamps

Engine Make	Flex/Bellow Part #	Clamp Part #	Part # Cross Reference	
Kenworth	58508	58509	35803	RAY/001010-001

Peterbilt 3S Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex 3S Part #	Dinex Bellow Part #	
Peterbilt	M66-7091-0405	58540	58507	
Peterbilt	M66-6541-0405		58507	
Peterbilt	M66-3541	58536		
Peterbilt	M66-7091-0320	58536	58511	
Peterbilt	M66-7091-0335	58537	58512	
Peterbilt	M66-6541-0335		58512	
Peterbilt	KW-6559 M66-6559		58510	
Kenworth / Peterbilt	KW-6542-0320 M66-6542-0320	58508		

Pipe Treatment Systems

Peterbilt Clamps

Engine Make	Flex/Bellow Part #	Clamp Part #	Part # Cross Reference
Peterbilt	58507 58511 58512	58536 58537 58540	58810 10028-6
Peterbilt	58510	58813	90-0011TCP

Volvo 3S Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex 3S Part #	Dinex Bellow Part #	
Volvo	21959389	82531	82511	
Volvo	22307697		82511	
Volvo	21428534	82530	82509	
Volvo	21959393 22307701		82509	
Volvo	21051403	82533	82532	

Volvo DS3 Flex and Bellows Kits

Engine Make	Part # Cross Reference	Dinex D3S Part #	
Volvo	3186814	8CA002	
Volvo	21142254	8CE005	
Volvo	21497416	8CE006	

Volvo Clamps

Engine Make	Flex/Bellow Part #	Clamp Part #	Part # Cross Reference
Volvo	82509 82511 82530	82531 82532 82533	82811 21021850
Volvo	82509	82530	82816 21021852

Volvo Pipe

Engine Make	Part # Cross Reference	Dinex D3S Part #	
Volvo	20563805	8CG001	
Volvo	23202231 21274193	8CE002	

New!



Part Number: **91001**

The Dinex HD Vapor Pro Kit Includes

- Two Adaptors: one for block-off and one to seal with smoke pass through tube
- 60" Wand
- Smoke Nozzle
- Cooling System Adaptor
- Pressure-O₂-& Temp Port Adaptors
- Extra OEM-approved Vapor Producing Fluid
- Spare Quick Connect Couplers
- Halogen Inspection Light

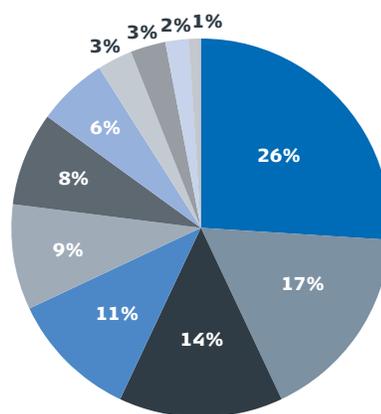
Excessive regen is not only frustrating for drivers and service crews, who don't want the downtime, but can cause your DPF to fail before it's time. This results in more downtime and money out to replace DPFs that could have lasted longer. In recent tests, it was determined that 89% of DPFs fail due to upstream component faults.

With the **Dinex HD Vapor Pro**, designed specifically for heavy duty vehicles, service teams can find the cause of excessive regen before it becomes an issue. The HD Vapor Pro simulates a high-pressure boost load, testing the entire system for faults with the engine safely off.

In a single, 10-minute procedure, the HD Vapor Pro can reliably detect any high-pressure leak, pinpoint its exact location, and precisely identify failing components, including:

- The root cause of excessive DPF regeneration events
- Turbo / boost leaks
- Charge air cooler leaks
- Exhaust system leaks
- Wind and water leaks
- Cabin leaks
- Intake system leaks
- Seals, gasket, hoses, fittings, etc.
- The cause of dangerous fumes inside the cabin

Failing Components/Issues Diagnosed by HD Vapor Pro

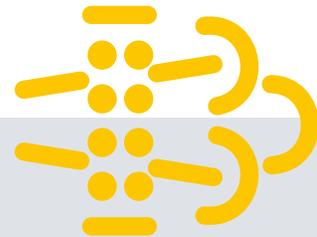


- 26%** Clamps / Tubing to and from the CAD
- 17%** V-Clamp / Gaskets / Exhaust Tubing Cracks on DOC/SCR
- 14%** Turbo Housing Leaks
- 11%** Charge Air Cooler
- 9%** DPF Gaskets and Housing Failure
- 8%** Blocked Pressure Differential Switch Tubes
- 6%** V-Clamps on Turbo or Cracks
- 3%** Water/Exhaust Intrusion
- 3%** Exhaust Flange Cracks and Gaskets
- 2%** EGR Cooler Coolant Leakage (Pinholes)
- 1%** Intake Gaskets

Dinex HD Vapor Pro

High Pressure Leak Detector for Heavy Duty Vehicles

How Can Leaks in Upstream Pipe Lead to Excessive Regen and Ultimately DPF failure?



The Ideal Gas Law

$$PV = nRT$$

Labels for the equation:

- P**: pressure (indicated by a downward arrow)
- V**: volume (indicated by an upward arrow)
- n**: amount of substance (indicated by a downward arrow)
- R**: ideal gas constant (indicated by an upward arrow)
- T**: temperature (indicated by a downward arrow)

To see how leaks in upstream pipes affects proper DPF function, we just need to look at the physics. Take a look at the Ideal Gas Law. In a manufactured structure such as a truck exhaust system, there are constants. Gas volume (V), gas mass (n), and gas constant (R) are predetermined by the exhaust makeup. However, pressure (P) and temperature (T) are variables in this system. If the pressure is low due to leaks in the upstream pipe, then the temperature will, by the laws of physics, be lower too.

Regen cannot take place if the system can't get up to temperature. The system will continue to attempt regen cycles, but won't be able to complete a regen due to lower temperatures.



Dinex HD Vapor Pro

- Specifically for HEAVY DUTY
- Compact, rugged design that weighs in at only 19 lbs
- Runs on compressed air
- Powered by 110-250 VAC or 12 VDC
- Free of dyes and other contaminants

Quality from Turbo to Tailpipe

DOCs and Emission Technologies

Particulate filters and SCR cats installed into our muffler systems.

Insulation Techniques

Keeping heat where it should be. Hot inside and cool outside.

Mufflers

Lock seamed, stamped or welded units. We supply aluminized or stainless steel in 125 different sizes from our own tooling shop.

Flex Pipes & Bellows

Dinex offers our well-known 3S flex pipes. Additionally, we have developed a low-leakage bellow for emission applications.

Clamps

A complete range of low-leakage clamps "tight-fit".

Exhaust Fittings

All fittings are made in-house for complete systems supply.

Pipes

Bends from 2" to 6" in aluminized or stainless steel.

www.DinexEmission.com

Dinex Group

**20 Companies • 1300 Employees
15,000 Part Portfolio**

Global Experience

Dinex was founded in 1982 by Grethe and Jørgen Dinesen. In 2000, Torben Dinesen became CEO and later in 2011, majority shareholder of the entire Dinex Group.

Today, the Dinex Group, headquartered in Denmark, operates through 20 companies and employs over 1,300 dedicated people worldwide. The Dinex Group is present in 16 different countries.

The Dinex Group is a leading global manufacturer and distributor of innovative engineered exhaust and emission control products and solutions for the heavy duty diesel, gas engine, and CNG industries. This makes Dinex a recognized quality brand amongst distributors and OE manufacturers serving both the original spares parts markets with OES parts as well as more than 4000 distributors worldwide.

Advanced Production

Advanced production techniques ensure our parts work over long distances and times.

We produce our ceramics, coatings, and formed metal in-house to ensure every part going out the door meets our standards.

Dinex employs processes to reduce the number of welds and joints to create longer lasting products.

Standards Driven

Dinex is ISO 9001 certified, as well as holding a number of international certifications.



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