

Automotive Aftermarket Thread Repair

Simple & effective Automotive Repair



Specifically designed to meet the needs of automotive applications

The Recoil system of high quality wire thread inserts and tooling kits provide a fast, reliable and highly cost effective solution; to repair and strengthen worn threads and extend the life of a vehicle's components.

Quick and easy to install, Recoil inserts help to reduce maintenance and keep vehicle downtime to a minimum. The system is suitable for a complete range of automotive applications across cars, motorcycles and commercial vehicles.

Pro XL Series Kit

High Speed (HSS) Intermediate STI Tap
Magnetic Tang Break Off Tool
Installation Tool/ Tap Wrench
Drill Bit
Pivoting Tool Holder
Quantity of 1.5D Inserts

Everything you need for complete thread repair in one handy box

Kit Contents

- High speed steel (HSS) intermediate STI tap
- Quantity of inserts 1.5D length
- New Combo Tap and installation Tool*
- New Magnetic Tang Break Tool*
- Drill-bit*

For more information on the Pro XL Series Kit visit www.afsrecoil.net/threadrepair

*Kit contents differ depending on thread form and diameter, see back page for details.

Spark Plug Thread Repair Kit

Pilot nose tap for accurate self alignment
Specially designed spark plug inserts

Contains specially designed insert for spark plug repair & a pilot nose tap for accurate self alignment.

Designed again specifically for the spark plug, this kit eliminates the need for drilling.

Benefits

- Expense reduced - spark plug ports can be recovered without expense of new cylinder heads

Lambda Sensor Thread Repair Kit

Inserts made from high temperature resistant Inconel
Bottoming Tap measured to suit shallow depth of tapped hole

Recoils specially designed insert for the lambda sensor thread, made from high temperature inconel.

Benefits

- The only high temperature insert in kit form.
- Bottoming tap measured to suit shallow depth of tapped hole.

Typical Applications

Exhaust Manifold Studs

Size	Thread Form	Kit Part No.	Refill Packets	No. of inserts per bag
1/4-20	UNC	33048	23043	10
1/4-28	UNF	34048	24043	10
5/16-18	UNC	33058	23053	10
5/16-24	UNF	34058	24053	10
3/8-16	UNC	33068	23063	10
3/8-24	UNC	34068	24063	10
7/16-14	UNC	33078	23073	10
7/16-20	UNF	34078	24073	10
1/2-20	UNF	34088	24083	10
9/16-18	UNF	34098	24093	5
5/8-18	UNF	34108	24103	5
3/4-10	UNC	33128	23123	5
M5 x 0.8	Metric	35058	25053	10
M6 x 1	Metric	35068	25063	10
M8 x 1.25	Metric	35088	25083	10
M10 x 1.5	Metric	35108	25103	10
M10 x 1.25	Metric	37108	27103	10

Exhaust Analyser Kit

M18 x 1.5	Metric	38188-X	28181-X	5
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Cylinder Head Bolts

7/16-14	UNC	33078	23073	10
1/2-13	UNC	33088	23083	10
9/16-12	UNC	33098	23093	5
M10 x 1.5	Metric	35108	25103	10
M11 x 1.5	Metric	35118	25113	10
M11 x 1.25	Metric	37118	27113	10
M12 x 1.75	Metric	35128	25123	10

Brake Caliper Bolts

M9 x 1.25	Metric	35098	25093	10
M11 x 1.25	Metric	37118	27113	10

Wheel Bolts

M12 x 1.5	Metric	37128	27123	10
M12 x 1.25	Metric	38128	28123	10

Alternator Bolts

5/16-18	UNC	33058	23053	10
3/8-16	UNC	33068	23063	10
M10 x 1.5	Metric	35108	25103	10

Spark Plug

Size	Thread Form	Kit Part No.	Refill Packets	No. of inserts per bag
M10 x 1	Metric	38108-2	28108 (.399")	10
			28109 (1/2")	10
M12 x 1.25	Metric	38120-2	28122 (1/2")	10
			28123 (3/4")	10
M14 x 1.25	Metric	38148-2	28149 (1/2")	10
			28140 (3/4")	10
M18 x 1.5	Metric	38188	28189	5

Starter Motor Bolts

3/8-16	UNC	33068	23063	10
M10 x 1.5	Metric	35108	25103	10

Oil Sump / Drain Plugs

1/4-19	BSP	310408	21043	10
1/2-20	UNF	340808	24083	10
5/8-11	UNC	331008	23103	5
3/4-16	UNF	341208	24123	5
7/8-14	UNF	341408	24143	3
M12 x 1.75	Metric	351208	25123	10
M14 x 1.5	Metric	371408	27143	5
M16 x 1.5	Metric	371608	27163	5
M18 x 1.5	Metric	38188-1	28183	5

Installation Sequence



1. Stripped Thread



2. Drill it



3. Tap it



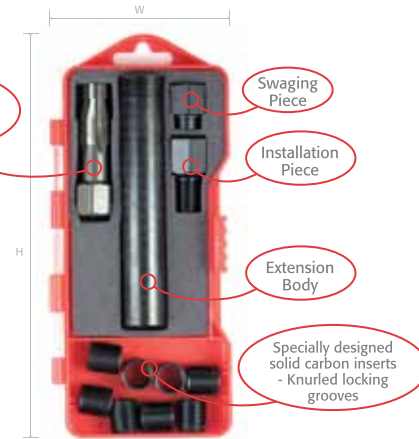
4. Insert it



5. New Thread



6. With bolt



TS 504515-000
FM 80437



EMS 60542

Plugsaver Kit

Using solid carbon inserts, Recoil's Plugsaver kit provides the perfect remedy for taper seat spark plug port repair.