

Subject : **Service Tools**

Year

2010

Model

All

BRP is proud to introduce its latest Service Tools Bulletin. These special tools were designed to help you efficiently service BRP vehicles. Please always make sure to use special tools along with the appropriate Shop Manual(s) and respect all safety measures.

Mandatory Tools: These tools are absolutely needed to perform certain service procedures. They will be automatically shipped to dealerships. They do not need to be ordered separately.

Recommended Tools: These tools will facilitate the Technicians work. They will not be automatically shipped to dealerships. They need to be ordered separately.



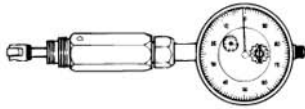
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Engine



TDC dial indicator
P/N 414 104 700 Recommended
For ignition timing static measurement



Vacuum/pressure pump
P/N 529 021 800 Recommended
All models



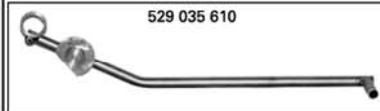
Leak test kit
P/N 529 033 100 **Mandatory**
All models



Bolt M16 x 1.5 x 65 mm
P/N 529 035 549 Recommended
DS 450
Goes with 529 035 547 & 420 976 235.



Spring installer remover
P/N 529 035 559 Recommended
Replaced by 529035983 or 529035989



Engine lifting bar
P/N 529 035 610 Recommended
Traxter 500



Crankshaft locking bolt
P/N 529 035 617 **Mandatory**
Quest 500/610, DS650/Outlander/Renegade



Crankshaft locking bolt
P/N 529 035 645 Recommended
Traxter 500



Socket 46 mm
P/N 529 035 648 Recommended
Traxter
Crankshaft nut



Engine leak down test kit
P/N 529 035 661 Recommended
All 4-stroke engines
To perform a leak down test on engine.



Valve stem seal installer
P/N 529 035 687 Recommended
1503 engine



Valve spring compressor
P/N 529 035 724 Recommended
4-TEC engines
To be used with valve spring compressor cur
529 035 764 and 529 036 073

Engine



529 035 752

Crankshaft bearing puller

P/N 529 035 752

Recommended

610/500 engines



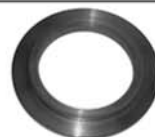
529 035 753

Crankshaft bearing puller

P/N 529 035 753

Recommended

610/500 engines



529 035 754

Crankcase support PTO

P/N 529 035 754

Recommended

Outlander 330/400, Quest 500/610



Valve spring compressor cup

P/N 529 035 764

Recommended

V-1000/ V-1300/330/400/490/660/810

To be used with valve spring compressor
519 035 724.



Piston circlip installer

P/N 529 035 765

Mandatory

610/500/1503/V-1000 engines



Water pump ceramic seal installer

P/N 529 035 766

Recommended

All V-twin, 330/400, 610/500, 500 eng.

Use with 529 036 130



Engine lifting ring

P/N 529 035 770

Recommended

Quest 610/500



Oil pump rotor remover

P/N 529 035 795

Recommended

DS 50, DS 90 2002/07



Suction pump

P/N 529 035 880

Recommended



Engine lifting tool

P/N 529 035 898

Recommended

Outlander 330 and 400



Crankcase support (MAG side)

P/N 529 035 916

Recommended

330/400 engines



Plain bearing remover/installer PTO/MAG

P/N 529 035 917

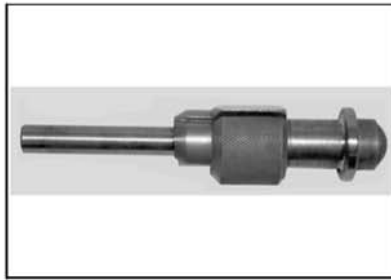
Recommended

610, 500, 650, 800 engines

Engine



Piston ring compressor
P/N 529 035 919 Recommended
V-800 engine



Piston circlip installer
P/N 529 035 921 **Mandatory**
330, 400, 500, 650, 800 engines



Valve guide remover 5 mm
P/N 529 035 924 Recommended
400, 500, 650, 800 engines



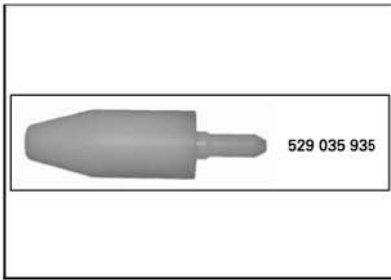
Camshaft locking tool
P/N 529 035 926 **Mandatory**
400, 500, 650, 800 engines



Oil seal installer
P/N 529 035 933 Recommended
449/991 engines, Outlander 330/400
Use with handle 420 877 650 Same usage
as 529 036 069.



Starter drive needle installer
P/N 529 035 934 Recommended
330/400 engine
Use with handle 420 877 650



Oil seal protector
P/N 529 035 935 **Mandatory**
330/400 engine
Use on crankshaft MAG side



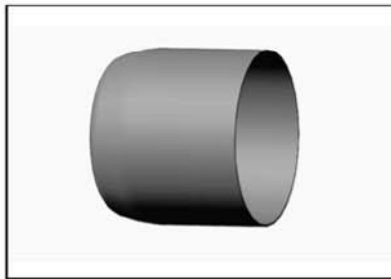
Piston ring compressor
P/N 529 035 977 Recommended
330 engine



Engine lifting tool
P/N 529 036 022 Recommended
V-490, V-660 and V-810 engines



Drive shaft oil seal installer
P/N 529 036 028 Recommended
V-490, V-660 and V-810 engines



Drive shaft oil seal protector
P/N 529 036 029 Recommended
V-490, V-660 and V-810 engines



Crankcase support MAG/PTO
P/N 529 036 031 Recommended
V-490, V-660 and V-810 engines

Engine



PTO cover plain bearing remover/instal.

P/N 529 036 032 Recommended

V-490, V-660 and V-810 engines



PTO cover oil seal installer

P/N 529 036 033 Recommended

V-490, V-660 and V-810 engines



Crankshaft protector

P/N 529 036 034 Recommended

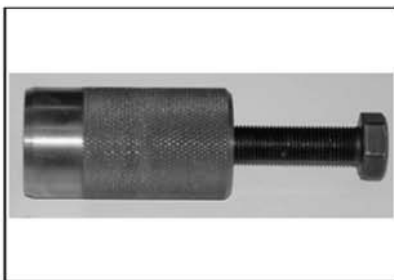
V-490, V-660 and V-810 engines



Piston circlip installer

P/N 529 036 048 Recommended

DS 250



Magneto puller

P/N 529 036 049

Mandatory

DS 250



Crankshaft protector

P/N 529 036 051

Recommended

DS 250

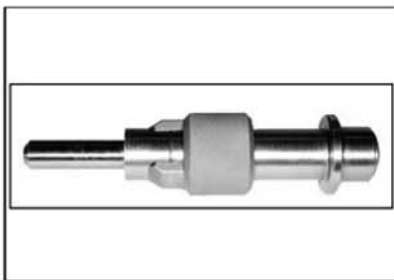


Camshaft locking tool

P/N 529 036 055

Mandatory

DS 250



Piston circlip installer

P/N 529 036 058

Recommended

V-490 engine



Oil seal installer

P/N 529 036 069

Recommended

449/991 engines, Outlander 330/400
Use with handle 420 877 650
Same usage as 529 035 933.



Valve spring compressor cup

P/N 529 036 073 Recommended

449, 991, 1503, 610/500, Traxter 500
To be used with 529 035 724



Valve guide remover (6 mm)

P/N 529 036 074

Recommended

449, 991 engines
Valve guide pusher



Valve guide installer (6 mm)

P/N 529 036 075

Recommended

449, 991 engines
Valve guide insertion jig

Engine



Clutch adjustment wrench 11 mm

P/N 529 036 076

Mandatory

449 engine
Clutch

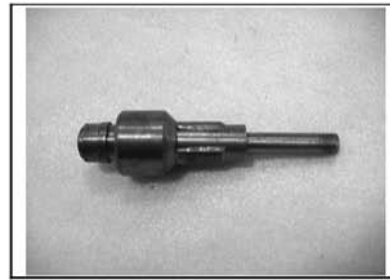


Bearing installer

P/N 529 036 078

Recommended

449 engine
Use with handle 420 877 650



Piston circlip installer

P/N 529 036 083

Mandatory

449 engine

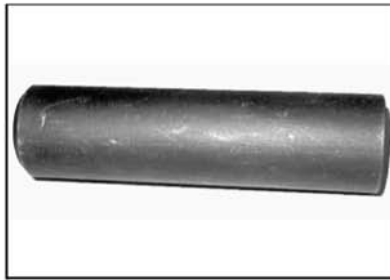


Camshaft timing device

P/N 529 036 084

Recommended

449 engine



Valve guide pusher (6 mm)

P/N 529 036 087

Recommended

1503, Traxter 500, Quest 610/500



Crank lock, driven open tool

P/N 529 036 098

Mandatory

610/500, 991, V-490, V-660, V-810



Crankshaft locking screw

P/N 529 036 107

Mandatory

449 engine



Ceramic seal pusher plate

P/N 529 036 130

Recommended

V-490, V-660 and V-810 engines
Use with ceramic seal installer 529035766



Valve guide installer

P/N 529 036 140

Recommended

V-490, V-660 and V-810 engines
replace 529035853



Crankcase drilling tool

P/N 529 036 162

Recommended

DS 450

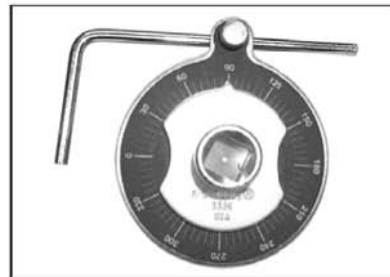


Piston ring compressor

P/N Snap-on RC 980

Recommended

4-TEC
Not sold by BRP



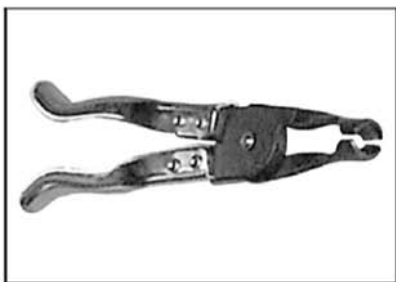
Torque angle gauge

P/N Snap-on TA362

Recommended

Used on most 4-stroke engines
Not sold by BRP

Engine



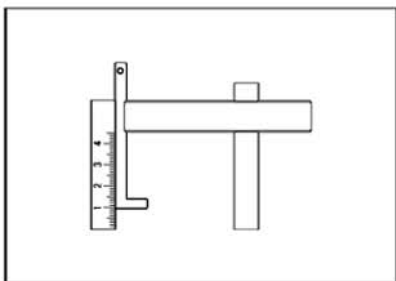
Valve stem seal removal pliers

P/N **Snap-on YA 8230** Recommended

1503, 991 engines, DS650

Not sold by BRP

Fuel



Float level gauge

P/N **529 035 520** Recommended

Carburetor-equipped vehicles



Fuel pressure gauge

P/N **529 035 591** Recommended

787 RFI, 793 SDI and 4-TEC engines

Replaced by 529 035 709. Spare plastic clip
P/N 275500429



Pressure gauge

P/N **529 035 709**

Mandatory

Injection type engines

Use with 529035652, 529035714 and
529036023



Disconnect tool

P/N **529 035 714**

Mandatory

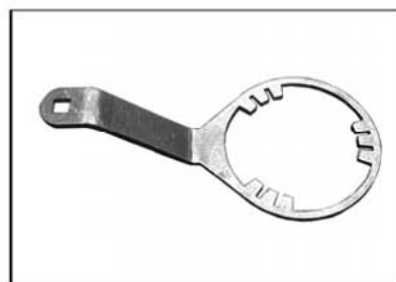
Injection models

Used also with gauge P/N 529 035 709, 529
035 652 and 529 036 023



Adjustment tool pilot screw

P/N **529 035 732** Recommended



Fuel pump nut tool

P/N **529 035 899**

Recommended

2-TEC SDI and 4-TEC engines

Fuel



Fuel hose adapter
P/N 529 036 023

Mandatory

Injection type vehicles
To be used with 529 035 709. Replacement
clip 513 033 135



Extractor adaptor

P/N 529 036 136

Recommended

E-TEC, V-twin

Cooling



Oil seal pusher

P/N 529 035 757

Recommended

Outlander 330/400



Test cap

P/N 529 035 991

Recommended

All models

To be used with vacuum/pressure pump 529
021 800.



Water pump oil seal installer

P/N 529 036 052

Recommended

DS 250



Water pump seal installer

P/N 529 036 139

Recommended

449 engine

Electrical



ECM adapter tool
P/N 420 277 010 **Mandatory**
All models
All injected 2-TEC & 4-TEC with VDO ECM



Digital induction tachometer
P/N 529 014 500 Recommended
All models



529 035 605
Wire jumper
P/N 529 035 605 Recommended
Traxter



529 035 653
T-harness
P/N 529 035 653 Recommended
Traxter
To check shifting.



MPI-2 communication cable extension
P/N 529 035 697 Recommended
Male/female DB9 extension can be purchased at any PC store; max. 25 ft lg.



Crimping tool (heavy gauge wire)
P/N 529 035 730 Recommended
All models
Ex.: To crimp battery cable terminals.



Magneto puller
P/N 529 035 748 **Mandatory**
All V-twin



Flywheel puller
P/N 529 035 792 Recommended
DS 50/90, MY 2002-7



Magneto puller
P/N 529 035 798 Recommended
DS 50, DS 90 2002/07



Fluke 115 multimeter
P/N 529 035 868 Recommended
All models

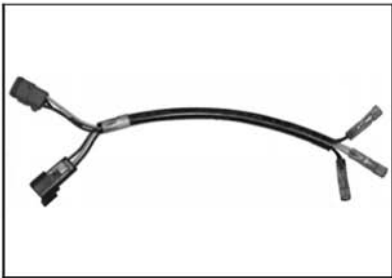


AMP die
P/N 529 035 908 Recommended
All models with AMP connectors
To use with crimping tool 529 035 909 to crimp Deutsch connectors.



Crimping tool (Kostal)
P/N 529 035 909 Recommended
To use with compatible die to crimp different connectors

Electrical



3-pin magneto harness adapter

P/N 529 036 016 Recommended

1503, 449

To test the magneto.

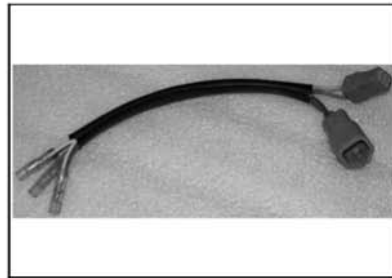


MPI-2 interface card

P/N 529 036 018

Mandatory

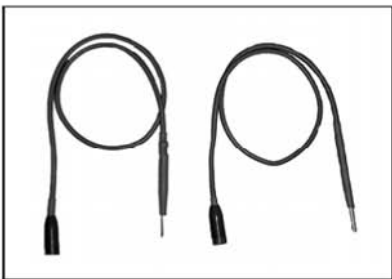
Replaces the MPI.



4-pin magneto diagnostic harness

P/N 529 036 021 Recommended

V-490, V-660 and V-810 engines



Back probe test wires

P/N 529 036 063 Recommended

All models

To back probe various connectors.



ECM adapter tool (one connector)

P/N 529 036 085

Mandatory

449, 400 EFI engines

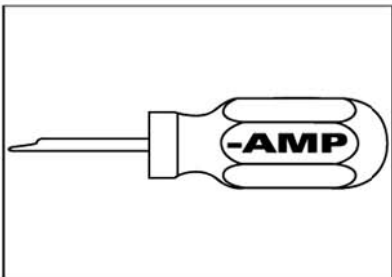


MPI-2 diagnostic cable

P/N 710 000 851

Mandatory

All D.E.S.S. equipped vehicles



Multilock terminal extraction tool

P/N AMP 755430-2 Recommended

Not sold by BRP

Lubrication



Adapter hose

P/N 529 035 652

Mandatory

4-stroke engines
Used with 529 035 709.



Timing chain tensioner adapter

P/N 529 036 079

Mandatory

449 engine
To be used with 529 035 652.

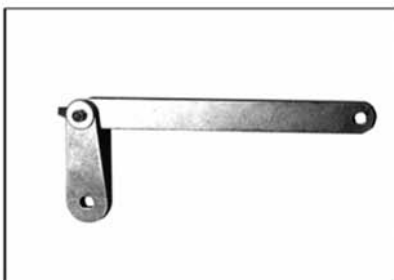
Transmission / Propulsion



Drive pulley holder (CVT)

P/N 529 006 400

Recommended

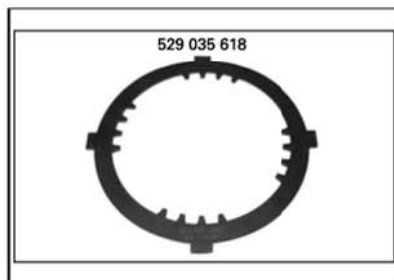


Transmission wrench

P/N 529 035 599

Recommended

Traxter



Clutch assembly holder

P/N 529 035 618

Recommended

Traxter



Clutch spanner

P/N 529 035 647

Mandatory

Traxter, 449 engine



Differential spanner socket

P/N 529 035 649

Recommended

Outlander, Traxter and Quest
To remove the pinion screw in the differentia



Backlash measurement tool

P/N 529 035 665

Recommended

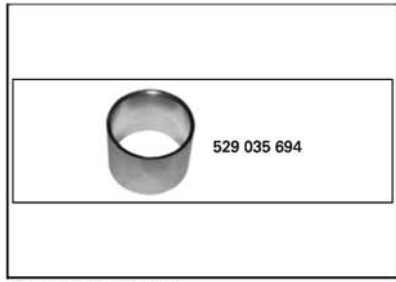
Outlander, Renegade

Transmission / Propulsion

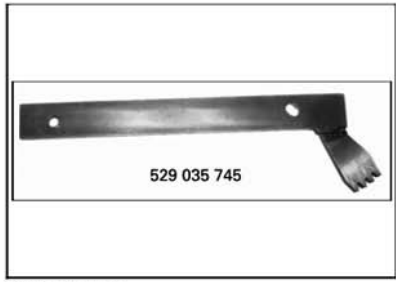


NEW

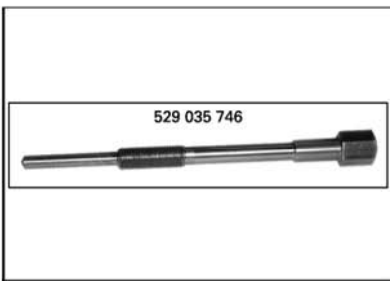
Oil seal installer
P/N 529 035 693 Recommended
 449 engine



Ring wear installer
P/N 529 035 694 Recommended
 DS 650
 Rear axle



Clutch holder
P/N 529 035 745 Recommended
 610/500 engines



Clutch puller
P/N 529 035 746 **Mandatory**
 610/500, V-490, V-660, V-810 engines



NO LONGER AVAILABLE

Gear lock pin
P/N 529 035 747 Recommended
 610/500, V-490, V-660, V-810 engines
 Replaced by 529036098



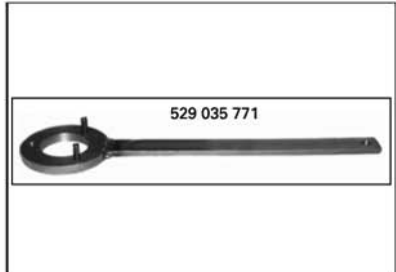
Oil seal installer (gearbox)
P/N 529 035 758 Recommended
 V-490, V-660, V-810 engines
 Use with handle 420 877 650



Bearing installer (gearbox)
P/N 529 035 762 Recommended
 V-490, V-660, V-810 engines
 Use with handle 420 877 650



Bearing installer (gearbox)
P/N 529 035 763 Recommended
 V-490, V-660, V-810 engines
 Use with handle 420 877 650



Driven clutch holder
P/N 529 035 771 Recommended
 330/400, 610/500, V-490, V-660, V-810



Bearing alignment tool
P/N 529 035 806 Recommended
 Quest 500 and 650



NEW

Oil seal installer
P/N 529 035 854 Recommended
 449 engine



Needle bearing installer (output shaft)
P/N 529 035 858 Recommended
 DS 70, DS 90
 Use with handle 420 877 650

Transmission / Propulsion

529 035 862



Clutch holding tool

P/N 529 035 862

Recommended

Rally 200

529 035 863



Clutch support

P/N 529 035 863

Recommended

Rally 200

529 035 864



Clutch holding tool

P/N 529 035 864

Recommended

Rally 200 and DS 250

529 035 951

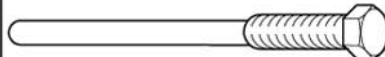


Rear axle key

P/N 529 035 951

Recommended

DS 650



Clutch puller

P/N 529 035 992

Recommended

Sarasota



CV joint extractor

P/N 529 036 005

Recommended

Outlander/Renegade V-660 and V-810



Countershaft bearing remover/installer b

P/N 529 036 010

Recommended

RT, DS 450



Pulley spring compressor tool

P/N 529 036 012

Recommended

Most drive and driven pulleys

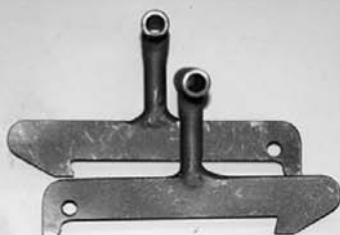


Backlash measurement tool

P/N 529 036 030

Recommended

Outlander/Renegade



Driven pulley support tabs

P/N 529 036 047

Recommended

DS 250



Countershaft bearing installer

P/N 529 036 053

Recommended

DS 250

Use with handle 420 877 650



Pulley holder

P/N 529 036 054

Recommended

Rally, DS 250, DS 70/90

Transmission / Propulsion



Protection sleeve
P/N 529 036 068 Recommended
449 engine



Oil seal installer
P/N 529 036 070 Recommended
449 engine
Insertion jig for gearshift shaft.



Protection sleeve
P/N 529 036 071 Recommended
449 engine
Gearshift shaft



Axle key
P/N 529 036 082 Recommended
DS 450

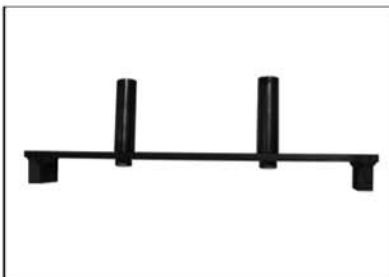


CV boot clamp pliers
P/N 529 036 120 Recommended
All models
For stepless low profile clamps 192
Clamp pincer with special jaw form

Steering



Heated grip installer
P/N 529 035 897 Recommended
Straight grips



Steering alignment tool
P/N 529 036 059 Recommended
All except DS 450

Suspension

No picture available

Gas fill tool kit

P/N 503 190 102 Recommended

T/A shocks

To be used with P/N 529035570. Spare needle P/N 529035930.



Ball joint installer

P/N 529 000 012 Recommended

REV, RT, DS 650, DS 450



Shock preload adjustment wrench

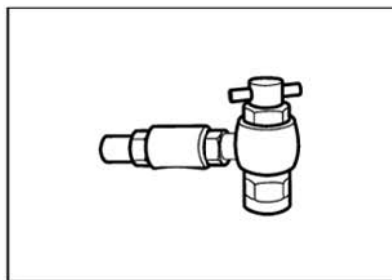
P/N 529 032 900 Recommended



Spring compressor

P/N 529 035 504 Recommended

No longer sold, replaced by P/N 529 036 007



Gas shock valve tool (tire valve type)

P/N 529 035 570 Recommended

T/A shocks



Hub puller

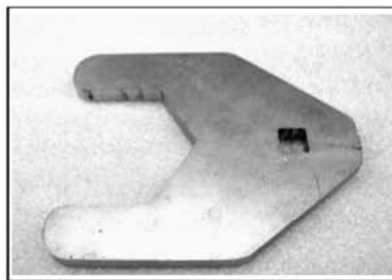
P/N 529 035 612 Recommended



Shock wrench

P/N 529 035 727 Recommended

All T/A shocks



Wrench

P/N 529 035 729 Recommended

DS 650



Open wrench 50 mm

P/N 529 035 866 Recommended

Rally
Rally axle nut



Ball joint remover support

P/N 529 035 873 Recommended

REV, RT

Replaced by 529036121



Ball joint installer support

P/N 529 035 875 Recommended

REV, RT, Outlander



Crow foot

P/N 529 035 884 Recommended

Rally 200
Rear axle nut

Suspension



Bearing remover/installer
P/N 529 035 918 **Mandatory**
Outlander, Renegade, DS 450



Trailing arm bearing install./remover
P/N 529 035 920 **Mandatory**
Outlander, Renegade



Trailing arm support
P/N 529 035 922 **Mandatory**
Outlander, Renegade



Trailing arm nut socket
P/N 529 035 925 **Mandatory**
Outlander, Renegade



Spring remover
P/N 529 036 007 Recommended
All models
To remove coil spring from shock.



Ball joint installer
P/N 529 036 020 **Mandatory**
Outlander/Renegade



Rear axle key
P/N 529 036 046 Recommended
DS 250

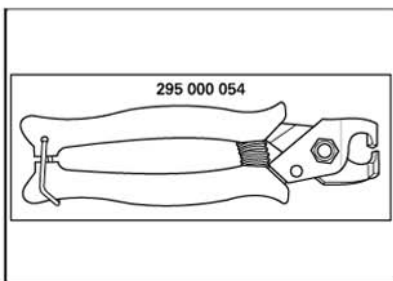


Needle bearing installer
P/N 529 036 109 Recommended
DS 450

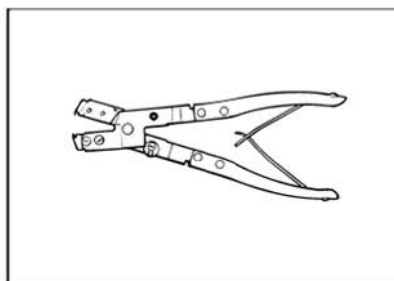


Ball joint remover support
P/N 529 036 121 Recommended
REV, RT, Outlander, roadsters

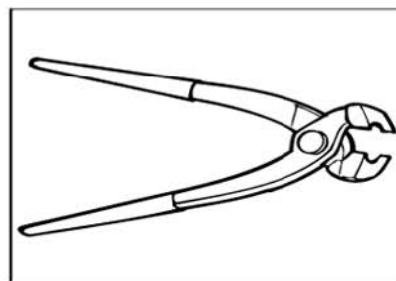
Various



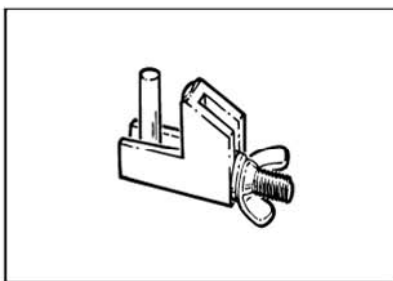
Caillau pliers
P/N 295 000 054 Recommended
All models



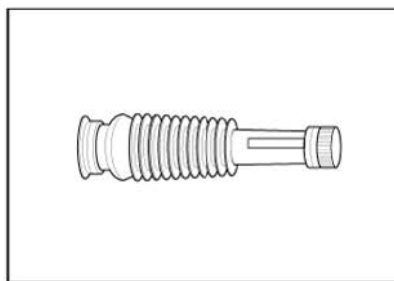
Oetiker pliers
P/N 295 000 069 Recommended
All models



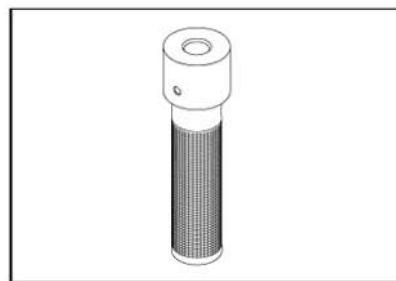
Oetiker pliers
P/N 295 000 070 Recommended
All models



Small hose pincher
P/N 295 000 076 Recommended
All models



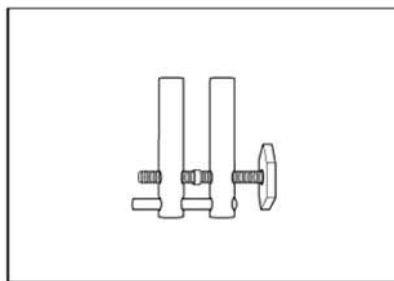
Flexible spout for oil
P/N 414 837 300 Recommended
All models



Handle
P/N 420 877 650 Recommended
All models
Can be used with many types of pushers.



Supertitanium drill bit 3/16"
P/N 529 031 800 Recommended
To drill/remove many kinds of rivets.



Large hose pincher
P/N 529 032 500 Recommended
All models



Cover remover
P/N 529 035 622 Recommended
DS 650



Cable luber
P/N 529 035 738 **Mandatory**
All cables

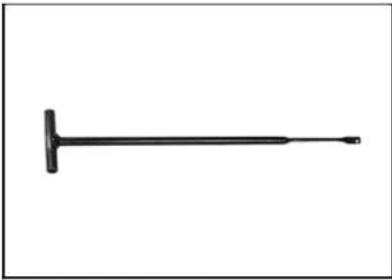


Allen key 3 mm
P/N 529 035 781 Recommended
DS 50, DS 90 2002/07



Output shaft seal installer
P/N 529 035 941 **Mandatory**
400 engines
Use with handle 420 877 650

Various



Spring installer/remover

P/N 529 035 983

Recommended

All models



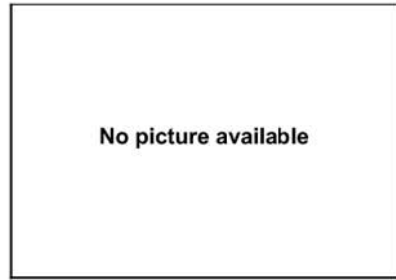
Blind hole bearing puller set

P/N 529 036 117

Recommended

All models

Replaced by 529036056



No picture available

Slide hammer

P/N Snap-on CJ125-6

Recommended

All

No sold by BRP

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