Automotive Repair Tools

- Designed for industrial and construction jobs.
- All metal construction and hand size release knobs make these pumps truly industrial grade tools.
- Rugged construction with simplicity of design provides longer life expectancy.
- Heavy duty design makes them ideal for a wide variety of automotive, truck, industrial and construction work.
**AB010001**

**WINDSHIELD INSTALLATION KIT**

**Specifications:**

A. **Rope Insert Tool**
   - Use this tool to insert the rope into the rubber gasket.
   - The handle feeds rope through its stem as you pull it around the gasket.

B. **Assort Tip For Insert Tool:**
   - For inserting locked strip into the windshield seal.
   - Different shaped heads interchange for most types of locking strips.

C. **Curved Hook Tool:**
   - Curved hook tool used for inserting and cleaning rubber gaskets.

D. **Straight hook tool used for inserting and cleaning rubber gaskets.**

E. **Cleaning Tool:**
   - Designed for the removal of broken glass for the side runners without removing them.

**AB010013**

**WINDSHIELD CUT-OUT WIRE**

**Specifications:**

- **5 PCS HANDY REMOVER SET**
  - **Contents:**
    - AB010026A: wedge set
    - AB010026B: wedge set
    - AB010026C: handy remover
    - AB010026D: remover wide type
    - AB010026E: remover pull type

**AB030028**

**CAR DOOR UPHOLSTERY REMOVER**

- Removes upholstery clips in seconds.
- This perfectly balanced alloy forged tool is attached with a plastic handle, with a bright plated blade.

**AB010002**

**WINDSHIELD REMOVAL KIT**

**Specifications:**

A. **Wire.**
   - Three strong galvanized steel wires are braided to form one wire.

B. **Wire Gripping Handles x2 pcs:**
   - A & B Feed the wire through the hole in the wedge shaft.
   - Loop it through the hole at the top of the shaft.
   - Then back into the handle.
   - Pressing the wedge back into the handle, the wire is hold.

C. **Wedge Removal Tool:**
   - Cuts the butyl adhesive compound around the windshield.

D. **Wire Feeder Tool:**
   - Designed for easy and flexible insertion of wire through polyurethane, allowing speedy removal of bonded windshield.

E. **Trim Pad Remover:**
   - Place the tool under the edge of the door upholstery panel and insert it into the fastener as far as possible, then simply pack up.

**AB020003**

**SUCTION LIFTER WITH TWO VACUUM CUP**

- Lever operated vacuums
- 2 x120mm diameter rubber suction cups
- Lifting action will not damage contact surface
- For use on windscreens glass, tiles, plastic, or other smooth surfaced non-porous materials.

**AB030056**

**AIR INFLATE FOR UNLOCK DOOR (VEHICLE)**

- The inflate design easily and safely to separate the door frame from the vehicle body.

**AB030068**

**BODY PRY BARS**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB030068A</td>
<td>385MM</td>
</tr>
<tr>
<td>AB030068B</td>
<td>385MM</td>
</tr>
<tr>
<td>AB030068C</td>
<td>905MM</td>
</tr>
<tr>
<td>AB030068D</td>
<td>755MM</td>
</tr>
<tr>
<td>AB030068E</td>
<td>605MM</td>
</tr>
<tr>
<td>AB030068F</td>
<td>455MM</td>
</tr>
<tr>
<td>AB030068G</td>
<td>240MM</td>
</tr>
</tbody>
</table>
Features:

- A professional 4 ton body and frame repair tools are your best choice for collision repair, industrial and construction applications where convenience of hydraulic power can be utilized for spreading, clamping, pulling and lifting operations.
- Made of rugged and welded construction, the hand pump base is forged using SS400 material to prevent oil leakage from extreme usage.
- Accessory components are forged for the best in strength and rigidity, ensuring safety standards are met and parts do not break.
- Snap connectors for quick operation.

AE010015A
10 TON HEAVY DUTY COLLISION REPAIR KITS, TWO SPEED PUMP (DROP FORGED)

Features:

- A professional 10 ton body and frame repair tools are your best choice for collision repair, industrial and construction applications where convenience of hydraulic power can be utilized for spreading, clamping, pulling and lifting operations.
- Made of rugged and welded construction, the hand pump base is forged using SS400 material to prevent oil leakage from extreme usage.
- Accessory components are forged for the best in strength and rigidity, ensuring safety standards are met and parts do not break.
- Snap connectors for quick operation.

AE010025A
4 TON HEAVY DUTY COLLISION REPAIR KITS, TWO SPEED PUMP (DROP FORGED)
**AE070002**
TRANSmission JACks

- **Capacity** : 800 KGS
- For use with transmissions and transaxels of passenger cars and light trucks.
- Foot-operated pump for maximum lift with minimum effort and fast contact with load.
- Fully adjustable universal saddle with adjustable corner brackets and safety chain for optimum alignment of transmission and patterns.
- Safely overload system protects jack from being used beyond its rated capacity.
- N.W.: 320kgs  G.W.: 380kgs  CU.FT.: 36'

**AE090024**
ALUMINUM RACING CAR SERVICE JACK

- **Max. Load Capacity** : 1500 kg
- **Min. Saddle Height** : 87 mm
- **Max. Saddle Height** : 445 mm
- **Jack Size (LxWxH)** : 600x310x157
- **Handle Length** : 1270 mm
- **Pump Strokes** :
  - 70
  - 155
  - 217
  - 276
  - 331
  - 381
  - 427
  - 445

**AE110020**
20 TON AIR HYDRAULIC JACK

- **Features** :
  - Low profile design for most of industrial applications.
  - Forging base as the strongest construction to catch the needs in industry market.
  - Housing welding onto the forged base makes to be free from leakage problem as well.
  - Telescopic design of AE110020 reaches the extra height needed during operating to save time and labor cost.
  - AE110020 equipped with two large Dia. Rubber wheels provide the greatest convenience and mobility you need.
  - Air / Hydraulic design make you free pumping handle also with the most efficiency and time saving.

**Application**
1. Each kind of mechanical part bends and deforms, combined for reformation.
2. Each kind of mechanical part, shaft bearing, etc. is pressed in or extruded in application.

**Features**
The oil tube is made of high pressure steel tube by Germany and NOK piston ring, through compliance with precision oil path treatment process, making this machine to attain its top property.

**Capacity** : 35 ton  Cylinder bore : 80mm Pressure : 300 Kg/cm²
**Length** : 1080mm  **Width** : 850mm  **Height** : 1730mm
N.W. : 320kg  G.W. : 380kgs  CU.FT. : 36”

**AE080004**
TELESCOPIC TRANSMISSION JACKS

- **Capacity** : 800 KGS
- For use with transmissions and transaxels of passenger cars and light trucks.
- Foot-operated pump for maximum lift with minimum effort and fast contact with load.
- Fully adjustable universal saddle with adjustable corner brackets and safety chain for optimum alignment of transmission and patterns.
- Safely overload system protects jack from being used beyond its rated capacity.
- N.W.: 320kgs  G.W.: 380kgs  CU.FT.: 36’
**AE130002 ENGINE CRANES**

CAPACITY: 1,000 kg

**Features:**
- Four position telescopic boom with forged steel grab hook.
- Quick foldable legs save shop space and prepare crane for transportation or storage within seconds.
- Four full swivel casters provide easy maneuver and positioning.
- 4" dia. front wheels and two rear swivel casters with brake provide positive steering and easy maneuvering.
- Hand release knob valve for easy and precise control.
- New 5 Ton capacity long stroke ram is designed with swivel handle to provide fast engine removal and replacement from any direction.
- N.W. 91 kg G.W. 106 kg CUFT, 14’

**AE140017 GEAR TYPE UNIVERSAL K/D RACK**

**AE150005 3 TON JACK STANDS W/RUBBER PADS**

**AE140013 ENGINE STANDS**

CAPACITY: 600 kg

**Features:**
- Ideal engine stand for car and light truck engine service.
- Four adjustable arms attached make engine mounting fast and easy.
- Gear box allows full rotating service for the mounted unit being removed as the best location, just with turning of the crane. It provides manpower-saving extremely.
- Four swivel all bearing caster wheels provide stability and easy maneuvering.
- To conserve valuable for space, the legs being able to fold into a compact package for storage.

**AE140017-2 DRAIN PAN**

**AE170001 ENGINE POSITIONER**

**AE170002 TRANSVERSE ENGINE SUPPORT**

- Straddling the inner/outer wall and acting as a bridge to support engines.
- Adjustable in height and width to bridge various vehicle/inner/outer wall and securely hold engine in place.
- Including slider bolt that can be positioned anywhere on the bar for the best weight distribution.
- The supporting plates with 90° design can match all kinds angle of the inner/outer wall.
- The supporting plates equipped with rubber pads to prevent the auto body trim damage.

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>CAPACITY (kg)</th>
<th>ADJUSTING HEIGHT (mm)</th>
<th>BASE WIDTH (mm)</th>
<th>Q'TY</th>
<th>W/W (kg)</th>
<th>G.W (kg)</th>
<th>CUFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE150005</td>
<td>3</td>
<td>310/445</td>
<td>190x216mm</td>
<td>1 Pair</td>
<td>7.8</td>
<td>8.5</td>
<td>0.7</td>
</tr>
</tbody>
</table>
**AE170006**

**UNIVERSAL TRANSVERSE ENGINE SUPPORTS**

- Special new design for 4 fixing point to be a bridge to support the engine.
- Especially using one the car that without inner fender.
- Adjustable in height and width to bridge various vehicle fender walls and securely hold engine in place.
- With rubber in the 4 fixing point to prevent slip or damage the vehicle.
- AE170006 equipped with two feet to use on the car with inner fender.
- N.W. 38 kg G.W. 40 kg CUFT. 2.5

**AE300064**

**17 PCS RADIATOR PRESSURE TESTER**

- Pressure testing kit comprising of adaptors, hand pump and airline regulator assembly.
- Bespoke adaptor are for Audi, BMW, Citroen, Fiat, Ford, (Vauxhall / Opel), Peugeot, Volvo and Volkswagen.
- Universal stationary seat multi-fit adaptors suitable for most vehicles.
- Quickly detects leaks in car radiator or hose system.
- Storage case features identification numbers for all accessories.
- Comprehensive instruction booklet enclosed.

**AE300072**

**AIR OPERATED GREASE PUMP**

- Can have capacity 12-22kg original bucket grease or in bulk 30L grease suit for 0008 - 29 grease.
- Can have capacity 12-22kg original bucket grease or grease suit for 008 - 28 grease.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Air inlet pressure</th>
<th>Pressure range</th>
<th>Fluid output</th>
<th>Outlier</th>
<th>Useage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 kgf/cm²</td>
<td>45 psi</td>
<td>0-300 lb/ft²</td>
<td>100-500 kgf/cm²</td>
<td>150 psi/sec</td>
<td>10 ft</td>
</tr>
</tbody>
</table>

**AE300061**

**OIL EXTRACTOR**

- Capacity : 6.5 Liters
- For DIY or professional use.
- Simple and easy to operate.
- Suitable for engine oil, gear oil, transmission and brake fluid water.

**AE300099**

**UNIVERSAL PIPELINE CLEANING AND LEAK CONNECTOR**

Contains:
- A : convex cone connector dia. 5-15
- B : convex cone connector dia. 11-20
- C : convex cone connector dia. 16-25
- A1 : cone-shaped rubber washer dia. 6-18
- B1 : cone-shaped rubber washer dia. 13-24
- C1 : cone-shaped rubber washer dia. 18-30
- D.E : special hole connector
- F : concave cone connector dia. 7-13
- G : flat connector dia. 10-18
- H : flat connector dia. 16-24
- J : cleaner connector 7/16"20unf
- J : 90° angle connector
- K.L : special clamp
- M : C-shaped clip, 28mm
- N : C-shaped clip, 40mm
- P : tool-free nut
- Q : fastening bolt, 7/16"20unf
- R : plug connector, 7/16"20unf
- blowing case

**AE300095**

**14PCS RADIATOR PRESSURE TESTER**

- Detecting leak of car radiator or tube system precisely, rapidly.
- Offer professional service quality, and easy operation.
- Conform every kind of car radiator’s opening diameter & high quality of full-set accessories.
- The main body is Aluminum Alloy material.

**AE300102**

**WASTE OIL STORAGE**

- Capacity : 24 L / Size : 820x540x200 mm
- Weight : 1.8 kgs
**AE300103**
16L WASTE OIL STORAGE
- Capacity: 16 L
- Size: 600x450x180 mm
- Weight: 1.95 kgs

---

**AE300105**
30L WASTE OIL DRAINER
- Composite lid and drum with 30L reservoir and drain pan on telescopic post.
- Gravity drain using tap on rear of unit.
- Includes visible ‘Full Drum’ device.
- Includes large diameter drain pan insert and heavy duty mesh for draining oil filters.
- Made from high density Polyethylene.

---

**AE300106**
MANUAL OPERATED GREASE DISPENSER

---

**AE300109**
MANUAL OPERATED OIL DISPENSER

---

**AE300118**
AIR POWER PARTS WASHER W/TURBO BLOWER GUN
- Bucket capacity: 20 Gallons
- Solvent capacity: 12 Gallons
- Flow rate: 75 Gallons
- Maximum speed: 11000 rpm
- Range of working pressure: 65-125 psi
- Air inlet: 1/4"
- Size: 31-7/8" L x 20-7/8" W x 35-3/8" H

---

**AE300146**
BRAKE BLEEDER FOR PROFESSIONALS
- The universal brake fluid bleeder applied on cars and motorcyles
- Automatic refilling design to speed up and simplify the operation
- An extra magnet is equipped for fixing refilling bottle in position
- The universal rubber adapter fits on any bleed screw
- Comes with a vacuum bleeder bleeding hose and a refilling bottle

**SPECIFICATIONS**:
- Material of Blow Gun: P.O.M.
- Canister Capacity: 0.75 Litre
- Working Temperature: -3°F~120°F
- P.V.C. Hose: 2 M
- Blow Gun Air Inlet: 1/4"
- Noise level: 70~75 dB
- Air consumption: 6.5 CFM
- Working pressure: 75-120 PSI
- Vacuum: -13.5’ Hg(-35Cm / Hg)

---

**AE310001**
6 WAYS MULTI PURPOSE HYDRAULIC GEAR PULLER

---

**CONTENTS**:
- 1pc Hydraulic Ram (SCM415 ø 37.7MM x L160 x 16t)
- 1pc Combination Cross Head (Carbon Steel)
- 3pcs Combination Leg (SCM415 Drop Forged Hardened 42° ~ 45°)
- 6pcs Steel Plate
- 1pc Extension Rod (1” x 1-1/4” Carbon Steel)
- 1pc Extension Rod (1” x 2” Carbon Steel)
- 6pcs Screw Nut & Washer
**PROFESSIONAL TOOLS SERIES**

**AUTOMOTIVE REPAIR TOOLS**

**AE310002**

25PCS HYDRAULIC GEAR PULLER

**CONTENTS:**
- 1pc Hydraulic Ram (SCM415 ø 37.7mm x L160 x 16t)
- 3pcs 6” Leg Hardened ø 42” - ø 45” (SCM415)
- 3pcs 8” Leg Hardened ø 42” - ø 45” (SCM415)
- 1pc Twin Head
- 1pc Triple Head
- 1pc Sentinel Head
- 1pc Extension Rod (2” x 1.75” Carbon Steel)
- 1pc Extension Rod (3” x 1.75” Carbon Steel)
- 1pc Extension Rod (4” x 1.75” Carbon Steel)
- 1pc Beam (Carbon Steel)
- 1set Bearing Separator & Bolts (SCM415 Drop Forged Hardened ø 63~2” Capacity 75mm-105mm Bolt 5/8” x 18t Capacity 105mm Carbon Steel (SCM21 415 Hardened ø 63~2”)
- 1pc Nut (Ram Part SCM21 415 Hardened ø 63~2”)

**FOR AGRICULTURE MACHINE GARAGE AND INDUSTRY USE**

**AE310005**

PRESSURE SCREW SEPARATOR PULLER SET

**CONTENTS:**
- 1pc beam, carbon steel
- 1pc central bolt ø 16.85mmxL11.5”x10t
- 1pc nut, carbon steel
- 1set bearing separator & bolts (SCM415 drop forged hardened ø 42” - ø 45”, capacity 75-105mm)
- 2pcs main rod (ø 8”x ø 1.75” Carbon steel)
- 2pcs extension rod (ø 8”x ø 1.75” Carbon steel)

**AE310007**

HYDRAULIC SEPARATOR PULLER SET

**CONTENTS:**
- 1pc - Hydraulic Ram (SCM415 ø 37.7mm x L160 x 16t)
- 1set Bearing separator & bolts
- 2pcs Main rod (ø 8”x ø 1.75” Carbon steel)
- 2pcs Extension rod (ø 8”x ø 1.75” Carbon steel)
- 1pc Beam, carbon steel

**AE310008**

INTERNAL & EXTERNAL PULLER SET

**CONTENTS:**
- 1pc Hydraulic Ram (SCM415 ø 37.7mm x L160 x 16t)
- 1set Bearing separator & bolts
- 4pcs main rod (hex bar 17mm x 7/8” x L127mm x 16t)
- 1pc beam, carbon steel
- 1pc center bolt (ø 16” x L 175 x 10/16” inch Carbon steel)

**AE310002-1**

T-Bar (S45C Carbon Steel) 5/8” x 18T x L425mm

**AE310002-2**

Hammer (S45C Carbon Steel) 93mmxL100mm 1.25g

**AE310002-3**

Nut

**AE310002-4**

Centre Screw

**AE310002-5**

Washer

**AE310002-6**

Internal Puller Capacity : 15mm-30mm

**AE310002-7**

Internal Puller Capacity : 30mm-40mm

**AE310002-8**

External Puller Capacity : 15mm-40mm

**AE310002-9**

Adapter 3/16”

**AE310002-10**

Adapter 1/4”

**AE310002-11**

1/8” Nut Head

**AE310002-12**

Screw

- **Size** : Small of internal puller 15mm-30mm
- **Large of internal puller 30mm-40mm**
- **External puller 15mm-80mm**
- **Locking the nut to open 3-jaws and clip the bearing.**
- **And then use the slide hammer to pull out the bearing.**
**AE310010**
SLIDE HAMMER

- **Features:**
  - Increased the coverage with the two axle pullers.
  - Works together with other tools is more easy.
  - Included 3-Jaw puller and many types of joints.

**AE310017**
3PCS AXLE PULLER

- Axle (Drop Forged) hardened 42° - 45° central hole to screw hole 130mm carbon steel
- T-Bar (5/8" x 24" x 18") inch carbon steel
- Hammer (5 lbs. cast iron)

**AE310018**
WASHER SLIDE HAMMER SET

- Pull with slide hammer with washer in the body.

**AE310012**
BLIND HOLE BEARING PULLER

- One slide hammer assemble & 4 clamp.
- Attachments for 3/8" to 1/2" (10-14mm), 5/16" to 11/16" (15-19mm), 3/8" to 1" (18-25mm) & 1" to 1-1/4" (25-32mm) ID bearings pulling.
- Open clamps by turning handle clockwise to snug against the bearing for pulling out evenly without damage the parts.

**AE310013**
UNIVERSAL WHEEL HUB PULLER

- Size: 90~140mm/3-1/2"~5-1/2"
- 130~180mm/5-1/8"~7-1/16"

**AE310022**
PITMAN ARM PULLER

- Pitman Arm Puller (SCM 415) Hardened 42° - 43°
- Centre Bolt : (S45C Carbon Steel) Hardened 42° - 43°

**AE310023**
BALL JOINT PULLER

- SCM-4140 Hardened 45°
- Centre Connector : SCM-4140 Hardened 45°

**AE310076**
UNIVERSAL BALL JOINT PULLER

**AE310077**
UNIVERSAL BALL JOINT PULLER

- Features:
  - Special steel for removing the ball pivots on steering arms, steering tie rods, steering knuckles, etc.
  - AE310076 - JAWS OPEN : 17mm
  - AE310077 - JAWS OPEN : 20mm
AE310025
BEARING SEPARATOR
- SCM415 Hardened 42° ~ 45°
- Capacity: 2-1/4" - 3-1/2" (50mm x 76mm)
- Bolt ø12.7mm x L 135mm x 1/2" x 20t

75mm

AE310026
BEARING SEPARATOR
- SCM415 Hardened 42° ~ 45°
- Capacity: 3" - 4 - 1/2" (75mm x 105mm)
- Bolt ø16mm x L 165mm x 5/8" x 8t

100 mm

AE310027
BEARING SEPARATOR
- SCM415 Hardened 42° ~ 45°
- Capacity: 4"-6" (105mm x 150mm)
- Bolt ø19mm x L 260mm x 3/4" x 18

150 mm

AE310029-33
2-JAWS CR-V GEAR PULLER

AE310034-38
3-JAWS GEAR PULLER

AE310048-49
ARMATURE BEARING PULLER

ITEM NO. | SIZE | RANGE (mm)
---------|------|----------
AE310034 | 3"   | 40 - 76  
AE310035 | 4"   | 50 - 102 
AE310036 | 6"   | 60 - 152 
AE310037 | 8"   | 80 - 203 
AE310038 | 12"  | 120 - 305

AE310062
LONG JAW BEARING PULLER
- Alloy steel hardened 48° ~ 50°
- Jaw Length : 300mm
- Capacity : 10 ~ 50mm

AE310062
DISC BRAKE PISTON SPREADER

ITEM NO. | SIZE | RANGE (mm)
---------|------|----------
AE310029 | 3"   | 40 - 76  
AE310030 | 4"   | 50 - 102 
AE310031 | 6"   | 60 - 152 
AE310032 | 8"   | 80 - 203 
AE310033 | 12"  | 120 - 306

AE310072
DISC BRAKE PISTON SPREADER

AE310073
UNIVERSAL BALL JOINT EXTRACTOR (20MM)
- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.
- Dimension C is infinitely adjustable so providing a wider application range.

AE310082
BEARING HOLE PULLER KIT
Open clamps by turning handle clockwise to snug against the bearing for pulling out evenly without damaging the parts.

AE310086
LOCKING JAW PULLER SET
CONTENTS:
3PCS-Adjustable reversible jaw 123mm (4-7/8")
3PCS-Adjustable reversible jaw 47mm (1-7/8")
3PCS-Adjustable reversible jaw 32mm (1-1/4")
1PC - Forcing screw
1PC - 2 Way yoke
1PC - 3 Way yoke
1PC - Reversible adjusting nut
3PCS - Screw & nut
AE310095
**4 TON HYDRAULIC PULLER**

- Special package model includes 2/3 jaws puller and 2 jaws puller with attachment in one set.
- Ideal impact package with light PE case for carrying.
- One complete set with two kinds of puller for user's convenience always.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>AE310095</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPACITY</td>
<td>4 Ton</td>
</tr>
<tr>
<td>REACH (mm)</td>
<td>A 185/290</td>
</tr>
<tr>
<td></td>
<td>B  70</td>
</tr>
<tr>
<td>SPREAD (mm)</td>
<td>C  75/55</td>
</tr>
<tr>
<td></td>
<td>D  250/110</td>
</tr>
<tr>
<td>STROKE (mm)</td>
<td>H  60</td>
</tr>
<tr>
<td>PUMP TIP (mm)</td>
<td>E  42</td>
</tr>
<tr>
<td></td>
<td>F  22</td>
</tr>
<tr>
<td>JAW TIP (mm)</td>
<td>G  84</td>
</tr>
<tr>
<td></td>
<td>A  11</td>
</tr>
<tr>
<td></td>
<td>B  6</td>
</tr>
<tr>
<td></td>
<td>C  22</td>
</tr>
<tr>
<td></td>
<td>I  32</td>
</tr>
<tr>
<td>WEIGHT (kg)</td>
<td>4.5/8.5</td>
</tr>
</tbody>
</table>

AE310119
**HUB SLIDE HAMMER PULLER (5 HOLES)**
- This tool can be used as a regular wheel or hub puller as well as a flange type puller.
- The bolt circle range is from 4-1/2” to 5-1/2” (114-140mm).
- The four slots in the adapter allow this tool to be used on either 4.5, or 6 bolt or stud designs.
- Has extra heavy 10lb. Sliding hammer.

AE320003
**COIL SPRING COMPRESSOR SET**
L-300mm

AE310149
**4 WAY BALL JOINT REMOVER TOOL**
- Heat Treated drop forged steel body & bolt for long rought usage.
- Spread ball joints easily where space prevents use of direct action method.
- Total Length: 165 mm
- Opening Angle: 24 ~ 45 mm
- Jaw Opening: 20mm
- Body Material: SCM440

AE320023-24
**HEAVY DUTY COIL SPRING COMPRESSOR**
- Drop forged by fully CR-MO and heat treated ensure obtain professional job.
- Can use with air impact wrench.
- The tool is designed for use in limited space under wheel arch.
- Jaw design is fitting to wrap coil claws for safety.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>MAXIMUM JAW OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE320023</td>
<td>270mm</td>
</tr>
<tr>
<td>AE320024</td>
<td>370mm</td>
</tr>
</tbody>
</table>

AE310110
**BALL JOINT EXTRACTOR**
SIZE : 23 MM

AE320030
**SPRING COMPRESSOR FOR MERCEDES BENZ**
- Advantage : Newly developed automatic 3-point safety interlock and automatic freewheel at end of stroke.

AE320031
**BENZ BALL JOINT INSTALLER W123 / 126 / 220**
- For pressing ball joint into steering knuckle.
- Application : W123/W126/W220
**AE320034**
**McPherson Spring Dumper Extractor (Changeable)**

- Spring compressors are multi-application tools specifically developed for modern McPherson suspensions, using a range of 3 sets of interchangeable mono block forks.
- Application: BMW, TOYOTA, FORD, MITSUBISHI, VW, AUDI, SAAB, NISSAN, HONDA, ACCORD, SUBARU, VOLVO, OPEL, PORSCHE.

**AE320036**
**Hydraulic McPherson Spring Dumper Compressor**

- This adjustable mechanical design makes this tool applicable to all lengths of the shock absorbers.
- The metal press plate can be used on the springs which are in high density (smaller clearance).
- With design of adjustable clamp, which can clamp any size of shaking-avoid spring stably to avoid danger when operation.
- Multiple function design apply to all kinds of shaking-avoid spring.
- Hooks can be turned 360° and easily take apart shaking-avoid spring.
- Hydraulic design makes the operation quick, safe, and steady.
- 1225mm H x 570mm L x 405mm W

**AE330001**
**Clamps**
**Single Direction Operation**
**Capacity: 5 Ton**

- Bolt size: 16m/m φ x 70L m/m

**AE330002**
**Clamps**
**Two Direction Operation**
**Capacity: 2 Ton (Cross) 5 Ton (Longitudinal)**

- Bolt size: 16m/m φ x 70L m/m

**AE330003**
**Clamps**
**Single Direction Operation**
**Capacity: 3 Ton**

- Bolt size: 14m/m φ x 120L m/m

**AE330004**
**Clamps**
**Single Direction Operation**
**Capacity: 3 Ton**

- Both side’s jaws are different in order to fit the confined room.
- Bolt size: 14m/m φ x 110L m/m
**AE330005**
**CLAMPS**
TWO DIRECTION OPERATION
CAPACITY : 2 TON (CROSS)
3 TON (LONGITUDINAL)

- Both side’s jaws are different in order to fit the confined room.
- Bolt size : 14mm x 110L m/m

**AE330006**
**CLAMPS**
SINGLE DIRECTION OPERATION
CAPACITY : 5 TON

- Special design for operator when they need to powerful pull.
- Bolt size : 20mm x 130L m/m

**AE330007**
**CLAMPS**
SINGLE DIRECTION OPERATION
CAPACITY : 2 TON

- The flat design is specialize for the confined room.
- Bolt size : 14mm x 730L m/m

**AE330008**
**CLAMPS**
SINGLE DIRECTION OPERATION
CAPACITY : 3 TON (STRAIGHT WAY)
2 TON (CROSS WAY)

- Special mini design is good to use in a narrow and small space.
- Bolt size : 14mm x 45L m/m

**AE330009**
**CLAMPS**
SINGLE DIRECTION OPERATION
CAPACITY : 3 TON

- Clipper design to make operators do not need fixed by screws.
- The tool’s feature is when operator pull longer and it will tight more.

**AE330010**
**CLAMPS**
MULTI-DIRECTION OPERATION
CAPACITY : 5 TON

- The jaw surface can be extended about 3” (75mm)
- Special suitable for internal pulling use

**AE330011**
**CLAMPS**
MULTI-DIRECTION OPERATION
CAPACITY : 4 TON

- The jaw surface can be extended about 6” (150mm)
- Special suitable for internal pulling use

**AE330012**
**CLAMPS**
MULTI-DIRECTION OPERATION
CAPACITY : 5 TON

- The jaw surface length is 120mm and that is very suitable for thin sheet employed.
- Bolt size : 14mm x 73L m/m

**AE330013**
**CLAMPS**
TWO DIRECTION OPERATION
CAPACITY : 3 TON (CROSS)
5 TON (LONGITUDINAL)

- The jaw surface length is 120mm and that is very suitable for thin sheet employed.
- Bolt size : 14mm x 73 L m/m

**AE330014**
**CLAMPS**
ALL DIRECTION OPERATION
CAPACITY : 3 TON (LONGITUDINAL)
3 TON (MULTI-DIRECTION)

- The jaw surface length is 120mm and that is very suitable for thin sheet employed.
- Bolt size : 14mm x 73 L m/m

**AE330015**
**CLAMPS**
TWO DIRECTION OPERATION
CAPACITY : 5 TON

- Bolt size : 14mm x 73 L m/m
- Use the two hooks to pull and fix the car.
- This tool could be clipped to unbody or any other place of the body.
- The puller and hooks are adjustable, it could be change the range for fitting the place.

**AE330024**
**CHAIN FIXING BASE**

- Applicable chain : 5/16", 3/8"
- Include two bolts to fix the stander.
**AE330025**  
**DOWN PULLEY ASSEMBLY**  
- Applicable chain: 5/16", 3/8"  
- Include two pins to fix the stander.  
- Changing ways with using pulley base.

**AE330026**  
**BALL PIVOT BASE**  
- Applicable chain: 5/16", 3/8"  
- Include two pins to fix the stander.  
- Install the model into the indentation to change the way when operator use the tool.

**AE330027**  
**MULTI HOLE PULL PLATES**  
- To lock the screws with plate on the car, in order to pull straight-line.

**AE330028**  
**DOOR POST PULLER**  
- Applicable chain: 5/16", 3/8"  
- Fixed on the car to pull side long-line.

**AE330029**  
**HANDY HOOK**  
- Pulling after fixing the hook into the indentation.

**AE330030**  
**UNIBODY CLAMP**  
- Capacity: 5 ton  
- Single-way pull operation.  
- When the damage is in the middle of car plate and it is not easy to fix by those clamps.  
- This model of tool is using to fix this kind of problems.

**AE330031**  
**DOUBLE CONNECTOR**  
- Capacity: 6 ton  
- Use with 5/16" or 3/8" chains.  
- This tool enables you to use two clamps side by side for more pull.

**AE330032**  
**HANDY LINK**  
- Capacity: 6 ton  
- For use as chain shorter, chain connector or double hooks.  

**AE330033**  
**HANDY LINK**  
- For use as chain shorter, chain connector or double hooks.  

**AE330034**  
**CLAMPS**  
- CAPACITY: 6 TON  
- For use as chain shorter or chain connector.  

**AG010030A**  
**6PCS AUTO REPAIR TOOL SET**  
CONTENTS:  
- AG010030A-2 1 PC Double End Hand Dolly  
- AG010030A-3 1 PC Drip Moulding, Spoon  
- AG010030A-1 1 PC Curved Dolly  
- AG010030A-4 1 PC Toe Dolly  
- M10110 1 PC Pick & Finish Hammer  
- M10401B 1 PC Light Shrinking Hammer (Flat Face)

**AG010033**  
**TELESCOPING INSPECTION MIRROR**  
Size: 50 x 92mm

**AG010034**  
**MAGNETIC PICK-UP TOOL**  
Heavy duty pocket.  
Capacity: 3.5 Lbs.  
L: 580 mm.
AG010035
3 IN 1 LIGHTED MAGNETIC MIRROR
- Attach 25 x 50mm swivel inspection mirror and magnetic riveter.
- Heavy duty.

AG010037
RECTANGULAR MAGNETIC TRAY
(SIZE : 240 x 140 MM)

AG010038A
PROFESSIONAL 3 FUNCTIONS TIRE GAUGE (L:375MM)

AG010041
200LB/IN² 380MM PROFESSIONAL TIRE PRESSURE GAUGE FOR GENERAL CAR

AG010045
345MM TIRE AIR CHUCK FOR TRUCK

AG010046
230MM TIRE AIR CHUCK

AG010047
380MM TIRE AIR CHUCK

AG010048
6PCS SCREW EXTRACTOR SET
- Made of Chrome Molybdenum.

AG010049
5PCS SCREW EXTRACTOR SET
- Made of Chrome Molybdenum.
- Heat treated
- Quick & easy way to remove broken screws, pipes, bolts & studs.
- Drill size: 5/64"(2mm), 9/64"(3.5mm), 5/32"(4mm), 1/4"(6mm), 19/64"(7.5mm).

AG010055
PROFESSIONAL IMPACT DRIVER
Chrome molybdenum.
36L Phillips NO. 2, NO.3, 36L Slotted 8mm, 10mm.

AG010055A
IMPACT DRIVER SET
- Chrome Vanadium steel
- Bits, Material : S2.
- Contents:
  4Bits x 36mm : PHILLPS & NO.2, NO.3
  SLOTTED @ 8mm, 10mm
  2Bits x 80mm : PHILLPS @ NO.2, NO.3

AG010099
16" PUSH & FOLDABLE CROSS-HANDLE SOCKET WRENCH
- Mat finish
- Socket Size : 17, 19, 21, 1/2" DR.
- (11/16", 3/4", 13/16", 1/2" DR.)
14" PUSH & FOLDABLE CROSS-HANDLE SOCKET WRENCH
- Mat Finish
Socket Size: 17, 19, 21, 23 mm (11/16", 3/4", 13/16", 7/8")

2PCS NUT SPLITTER SET
Chrome Vanadium Steel
SIZE: 1/2"-5/8" (12mm-16mm)
5/8"-7/8" (16mm-22mm)

1/2" IMPACT DRIVER W/36MM 13BITS
- The new grip can keep your hands away from potential danger while striking.

MULTI-DOLLY (WIDTH: 37MM)
- Auto body repairing D.I.Y & sheet metal working.
- Student crafts working.
- Personal working studio.
- Made from carbon steel by hot forging & precision.

AUTOMATIC TRANSMISSION CLUTCH SPRING COMPRESSOR (IMPROVEMENT)
- For removing and installing the transmission rear clutch piston snap ring.
- Adjustable, for most models of American cars and light trucks.
- NW: 3.2 kgs GW: 3.4 kgs

4 TON HAND POWER PULLER
Capacity: 4 TON (800lbs) All type with switch.
Handle Metal Thickness: 5.0mm (Chrome Plated).
Body Metal Thickness: 6.0mm (Chrome Plated).
Double Gear & Double Pawl (Both in Durable Solid Steel).
Cable: Dia. 6mm x 10 ft with 3 Hooks.

WHEEL WEIGHT BALANCE PLIERS

BALL JOINT SEPARATOR
- Placed between ball joint and steering knuckle and give a few sharp blows with a hammer.
- Forged and heat treated 5/16" Opening Length: 12".
AN010048
UNIVERSAL STRUT SPRING COMPRSSOR
- This tool fits a wide range of struts without the inconvenience of special adapter shoes.
- Tool compresses springs of 4” to 8” OD with wire diameters of 7/16” to 11/16”.
- Works both by hand or impact wrench.
- The jaws of the compressor are held in place by safety locking pins.
- Use most of spring compressor quickly and easily on the bench or on the vehicle.

AN010054A
3PCS COMPOSITE HOSE PINCH TOOL SET
- Special-radius jaws design will not damage internal hose lining.
- Lightweight, non-conductive, bright color 3 sizes for different application.

AN010070
REAR DISC BRAKE CALIPER TOOL
- For rotating pistons back into the caliper to provide clearance for new pads.
- Includes 5 adapters for use in both 2 and 4 wheel rear disc brake assemblies most of cars.
- Tool may be used “ON” or “OFF” the car. A real time saver that makes this tough job easy.
- Contents use including: Most HONDA, MAZDA, DODGE, MITSUBISHI, SUBARU, TOYOTA, FORD & GM etc.

AN010072
EXTERNAL & INTERNAL RESTORER FILES
- Restore tool for renewing damaged thread on any diameter bolt, stud, axle or shaft file both right and left hand threads.
- Design for in hide & narrow area usage.
- Description pitch sizes
  - Metric file 0.60 , 1.00 , 1.25 , 1.50 , 1.75 , 2.00 , 3.00

AN010072A/B/C
EXTERNAL THREAD RESTORING FILES
- Restore tool for renewing damaged thread on any diameter bolt, stud, axle or shaft file both right and left hand threads.

AN010085A
SNAP IN TIRE VALVE INSTALLER
- Steel constructed tool with deep threaded head for positive sealing of all snap-in type passenger car tire valve stems.
- Rubber cover design to protect the rim.
- 3 position setted Patented.

AN010091A
INNER TIE ROD TOOL
- These tools are specially designed for the inner tie rods that are inaccessible to adjust.
- The long socket can be easily used with seven open-jaw drivers, size 1-3/16”, 1-1/4”, 1-5/16”, 1-7/16” & 14mm, 17mm, 33.6mm, to most application.
- The inner tie rod can be easily removed and installed by slipping the long socket over tie rod end and connecting it to the open-jaw driver.

AN010070
OVERHEAD VALVE SPRING COMPRSSOR
- For use on a wide range of OHV, OHC and CVH engines not suitable for use on engines with deep seated valves.
- Allow valve springs and valve stem oil seals to be replaced with the cylinder head.
- Feature a reversible jaw/adaptor and automatic cam-action locking to a pre-determined setting.

AN010085A
SNAP IN TIRE VALVE INSTALLER
- Steel constructed tool with deep threaded head for positive sealing of all snap-in type passenger car tire valve stems.
- Rubber cover design to protect the rim.
- 3 position setted Patented.
**AN010160**

**8PCS MANUAL BRAKE GAUGE SET**

- Designed for accurate measurement of how much brake lining is left without guess work.
- Most state agencies require that the users be notified of how much brake lining is left in order to suggest that the lining should be replaced.
- Technician must refer to the OEM manufacturer specifications to determine if the lining is worn below minimum specifications.
- Size including: RED - 2MM(0.0787”) 3MM(0.1181”) 5MM(0.1969”) 6MM(0.2362”) 8MM(0.3150”) 10MM(0.3937”) 12MM(0.4724”)