



Automotive Hand-tool and  
Diagnostics Instruments  
Test

Practice Exercise  
Revised April 2022

2



Combination Wrench



Short Ratcheting Box/Open End Combination Wrench

4



Short OR Midget Combination Wrench



12 point S-Shaped Box Wrench

6



6

4-Way Angle Open End Wrench

7



7

12 point Half Moon Box Wrench



Offset Box End Wrench



9



Offset Box End Wrench

10



10

Ratcheting Box End Wrench

11



11

Ratcheting Box End Non-Conductive Composite Wrench

12



12

Ratcheting Box End Wrench

13



13

Offset Ratcheting Box End Wrench

14



14

Ratcheting Box End Wrench Set



12 point S-shaped box end wrench set



12 point Half Moon Box End wrench set



17



TORX Box Wrench set



TORX double box end wrench



12 point combination wrench set



6 point combination wrench



6 point combination wrench set

22



22

Open end flare nut wrench

23



23

Combination open end/flare nut wrench set

24

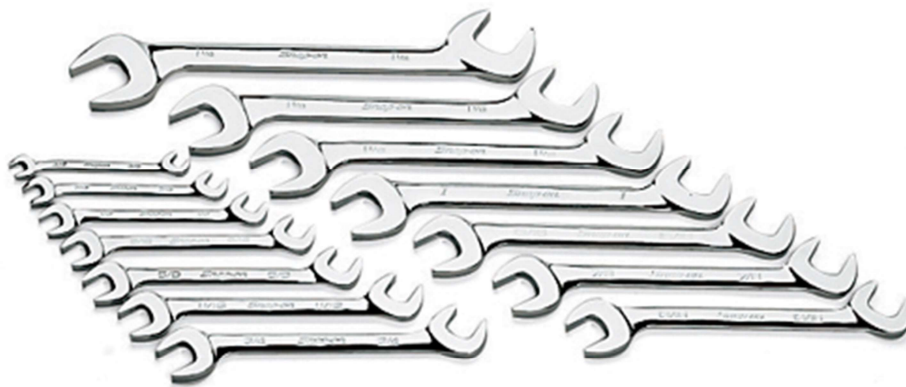


24

Open end flare nut wrench set



25



25

4 way angle head open end wrench set

26



26

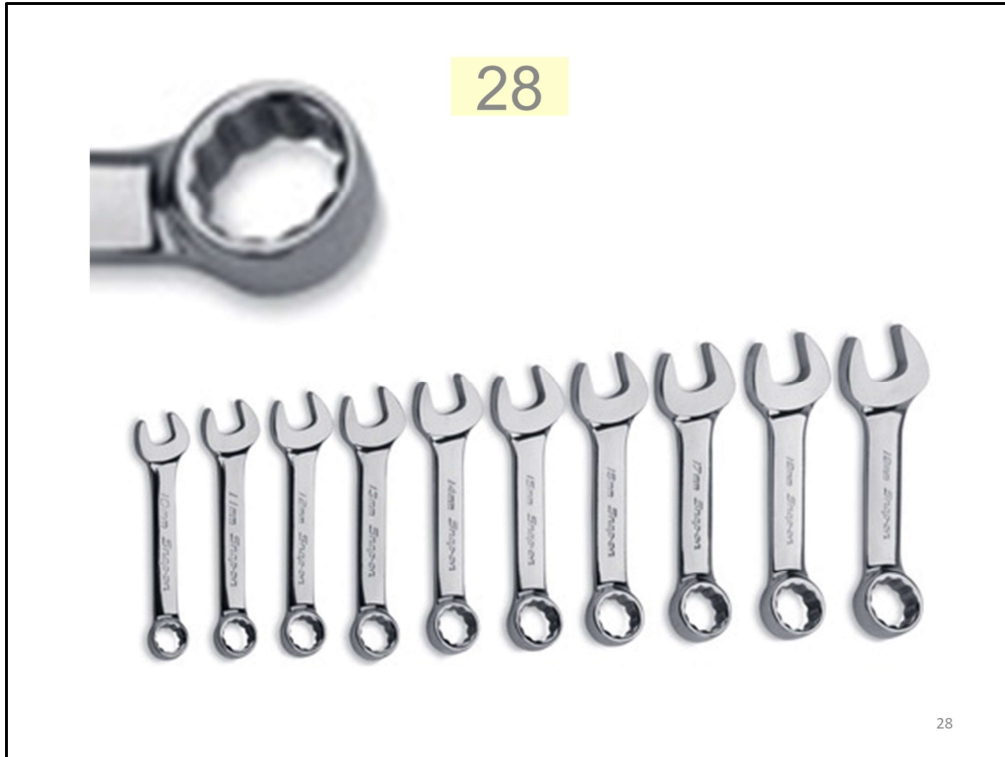
4 way angle head open end wrench

27



27

Adjustable hook spanner wrench set



12 point short OR midget combination wrench set

29



29

Cushion Grip Adjustable Wrench

30



30

Adjustable Wrench

31



31

Plier Wrench

32

Rubber  
Head



32

Non-Marring Mallet OR Rubber head mallet



33



33

Ball Peen Hammer

Shot Filled

34



34

Dead Blow Peen Hammer

Shot Filled

35



35

Dead Blow Hammer

Shot Filled

36



36

Dead Blow Hammer Set

Brass  
Head

37



37

Brass Hammer

38



38

Sledge Hammer OR Hand Drilling Hammer

39

Rubber  
Head



39

Rubber Head Mallet OR Non-marring mallet

40



40

Breaker Bar



41



41

Breaker Bar Non-Conductive Composite

42



42

Ratchet Non-Conductive Composite

43



43

Standard ratchet

44



44

Swivel head ratchet

45



45

Sliding T-handle

46



46

Bent handle flex head ratchet

47



47

Soft handle ratchet

48



48

Soft handle flex head ratchet



49



49

Short handle ratchet

50



Stubby handle ratchet

51



51

Stubby handle flex head ratchet

52



52

Fixed head Adjustable Click type torque wrench

53



53

Flex Head digital torque wrench

54



54

Dial and light indicator torque wrench

55



55

Flex head digital torque wrench

56



56

Flex head digital torque wrench





12 Point Non-conductive Composite Socket Set

58



12 point Non-conductive Composite Socket

59



59

Non-Conductive Composite Extension

60



60

Spark Plug Socket

61



61

Spark Plug Socket

62



62

Crow Foot Wrench

63



63

Flare Nut Crow Foot Wrench

64



64

Crow Foot Wrench



65



15

Shock Absorber Socket

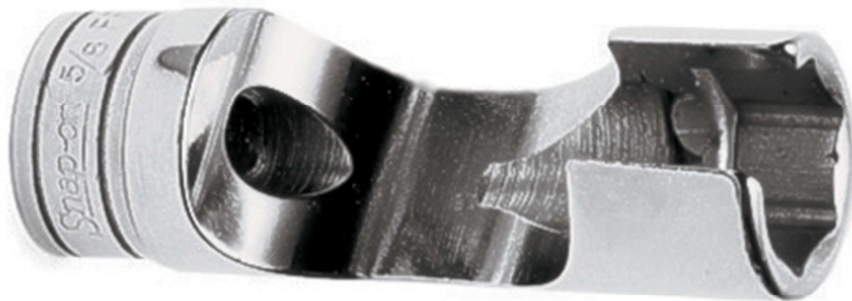
66



66

Deep TORX socket

67



67

Flare nut socket

68



68

Flare Nut Socket Set



6 Point deep socket set



12 point shallow socket set

71



71

6 point deep universal socket set



12 point shallow socket set



73



73

Standard Hex bit socket set

74



74

TORX bit socket set

75



75

Phillips Bit Socket

76



76

Flat tip socket driver

77



77

Flat tip socket driver



Impact Universal Swivel joint set

79



79

Impact swivel universal joint

80

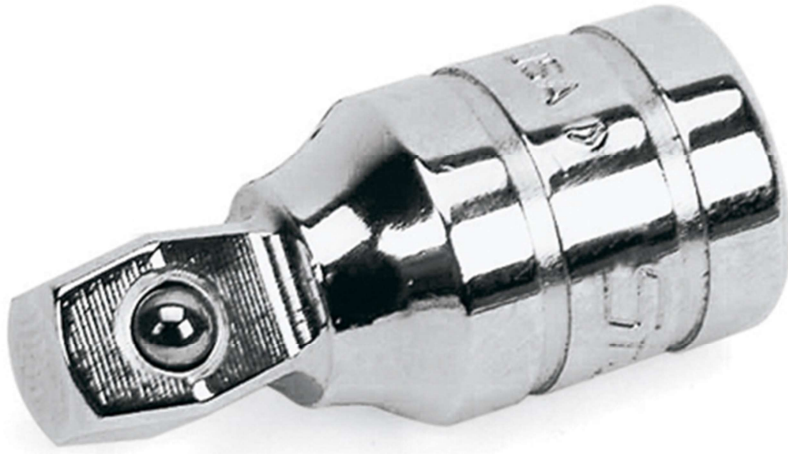


80

Friction ball wobble extension



81



81

Friction ball wobble extension

82



82

Friction ball extension

83



83

12 point universal joint socket

84



84

Snap ring impact extension

85



85

Friction ball extension

86



86

Drive Adaptor/extension set

87



87

90 degree Bent Needle Nose Pliers

88



88

Retaining Ring Pliers Set





Flat Nose Pliers



Needle Nose Pliers

91



91

Diagonal Cutter

92



92

Bolt Cutters

93



93

Combo OR Combination Pliers



Diagonal Cutter

95



95

Wire Stripper

96



96

Combo OR Combination Slip Joint Pliers



97



97

90 degree angle Needle Nose Pliers

98



98

Adjustable Joint Pliers

99



99

Adjustable Joint Pliers

100



100

Combo OR Combination Slip Joint Pliers

101



101

Cable Cutter

102



102

Diagonal Cutters Long Reach

103



103

Crimper

104



104

Duck Bill Pliers



105



105

Diagonal Cutters

106



106

Lineman's Pliers

107



107

Lineman's Pliers

108



108

Non-Conductive Composite Needle Nose Pliers

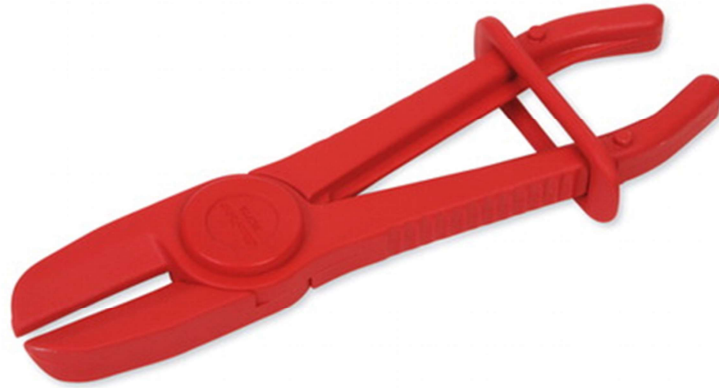
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109

Hose pinch pliers

110



110

Hose pinch pliers

111



111

Hose pinch pliers

112



112

Tongs for fuses



113



113

Fuel line disconnect pliers

114



114

Long Nose Locking Jaw Pliers

115



115

Locking Jaw Pliers

116



116

Locking Jaw Pliers

117



117

Long Nose Locking Jaw Pliers

118



118

Retaining Ring Pliers Interchangeable Tip

119



119

90 Degree Retaining Ring Pliers

120



120

Retaining Ring Pliers Interchangeable Tips



121



121

Spark Plug Boot Pliers



Spark Plug Boot Pliers

123



123

Wire Stripper





L-Shaped Hex Wrench Set



L-Shaped Hex Wrench



T-Shaped Hex Wrench

128



128

Non-Conductive Composite Nut Driver Set





Awl

130



130

Nut Driver Non-Conductive Composite



Flat Tip Non-Conductive Composite Screwdriver

132



132

Phillips Screwdriver Non-Conductive Composite

133



133

Nut Driver

134



134

Combination screwdriver set



Stubby Phillips Screwdriver



Phillips Screwdriver set



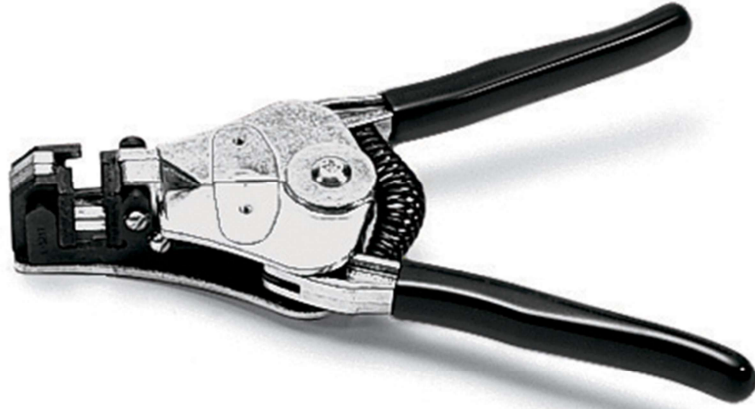
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137

Nut driver set

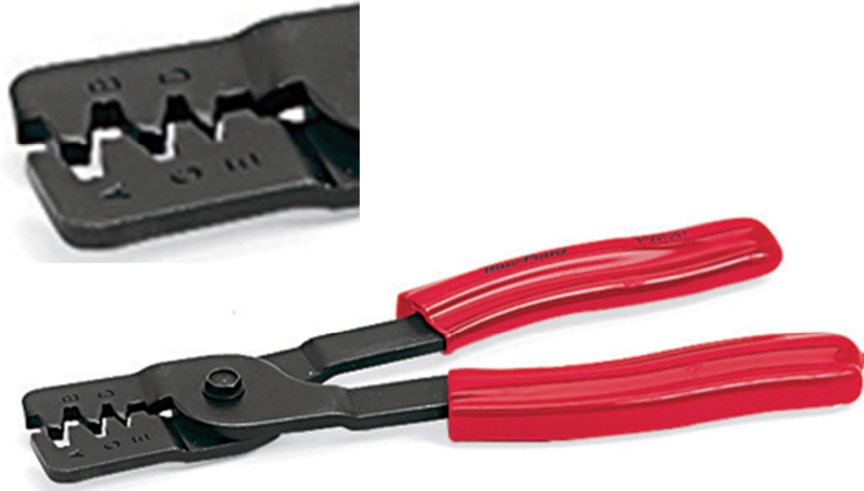
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138

Wire Stripper Automatic

139



139

Crimping Tool

140



140

Crimping Tool

141



141

Two Jaw Screw Puller

142



142

Two Jaw Screw Puller

143



143

Two Jaw Slide Hammer Puller

144



144

Three Jaw Screw Puller



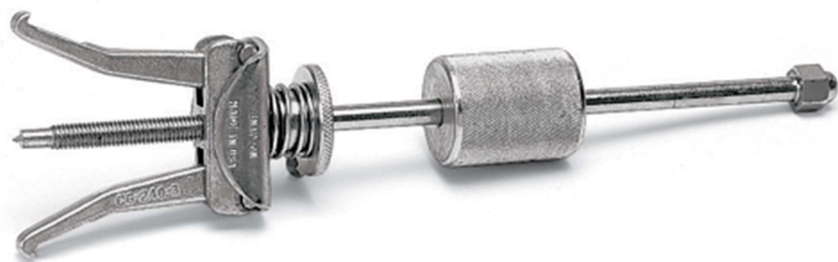
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145

Three Jaw Slide Hammer Puller

146



146

Two Jaw Slide Hammer Puller

147



147

Ball Joint/Tie Rod Separator

148



148

Coil Spring Compressor

149



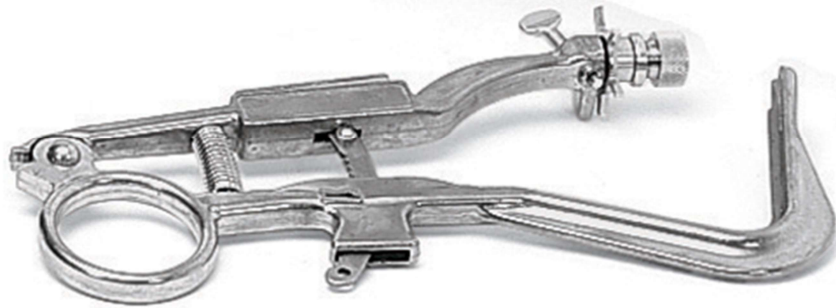
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Piston Ring Compressor



Ridge Reamer

151



151

Piston Ring Groove Cleaner

152



152

Tie Rod Adjusting Wrench



153

Brass  
Blades



153

Feeler gauge set brass blades

154



154

Feeler gauge Set

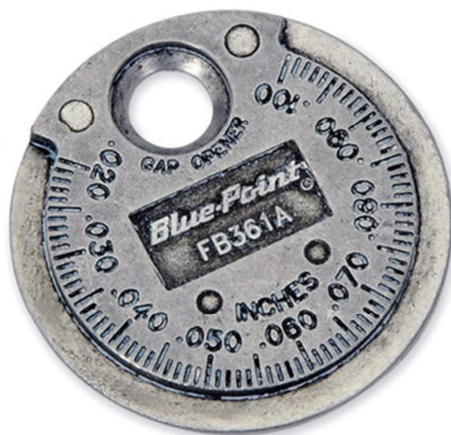
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155

Gap Gauge

156



156

Gap Gauge

157



157

Wire gap gauge

158



158

Steel Rule

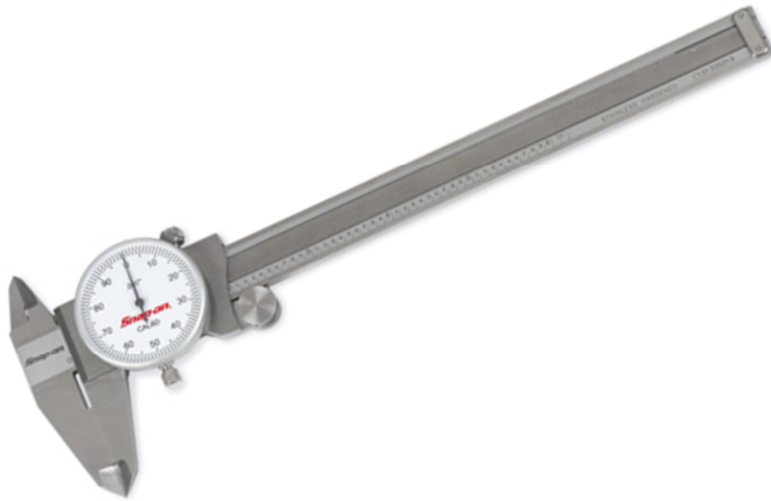
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159

Electronic Brake Rotor Caliper

160



160

Dial Caliper



161



161

Digital Electronic Caliper

162



162

Digital electronic Micrometer

163



163

Outside Digital Micrometer

164



164

Outside Micrometer

165



165

Dial Indicator

166



166

Angle Locator

167



167

Angle Locator

168



168

Soft Grip Flat Edge Chisel





Punch and chisel set

170

Bronze  
Metal



170

Bronze Round Punch

171



171

Drift Pin Punch

172



172

Cape Chisel

173



173

Center Punch

174



174

Soft Grip Pin Punch



Soft Grip Center Punch

176



176

Starter Punch Set



177



177

Pick Scribe Set

178



178

Long Pick set

179



179

Stubby Awl



Spoon Seal removal Tool

181



181

File Set



Flat File

183



183

File Cleaner Brush

184



184

Putty Knife/scrapper Set



185



185

Compact scraper

186



186

Long Scraper

187



187

Standard Scraper

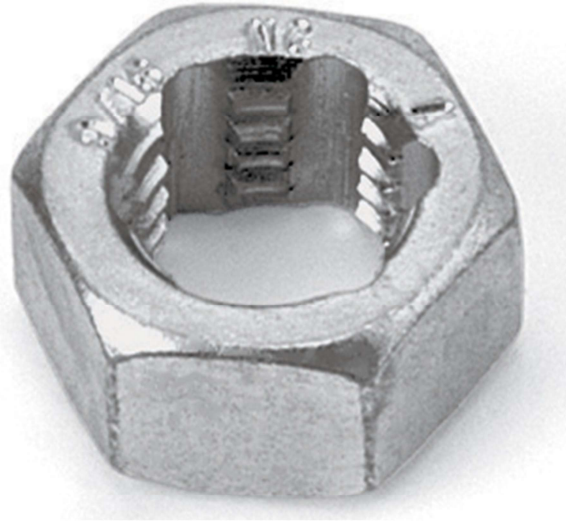
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188

Razor scraper

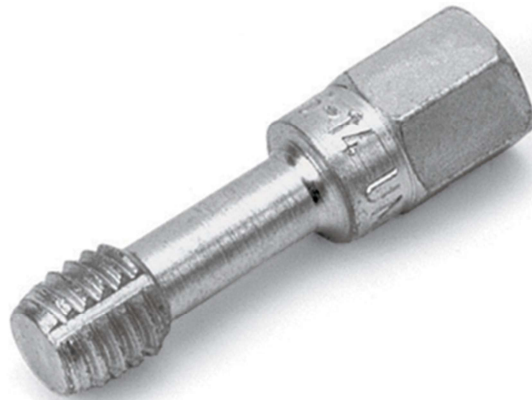
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189

Rethreading Die

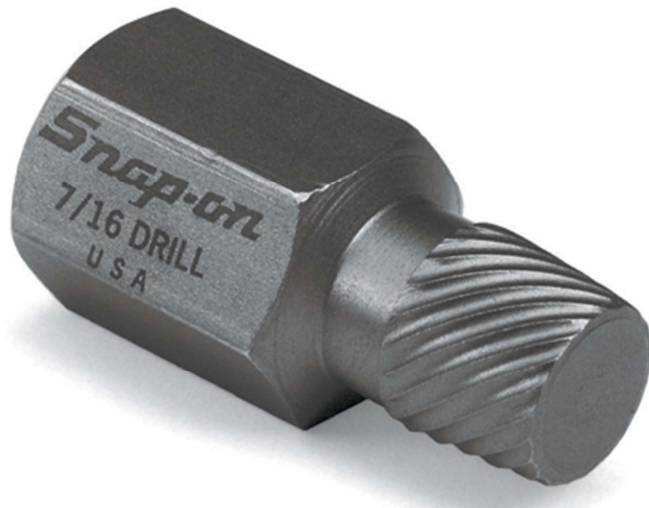
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190

Rethreading Tap

191



191

Multispline extractor

192



192

Spiral Flute Extractor



193



Stud remover Set

194



194

Prybar

195



195

Prybar set

196



196

Prybar set

197



197

Inspection Mirror

198



198

Inspection Mirror

199



199

Magnetic Pick up tool

200



200

Flexible Magnetic Pick up tool





Flexible Claw pick up tool

202



202

Cordless Work Light

203



203

Multipurpose tubing bender

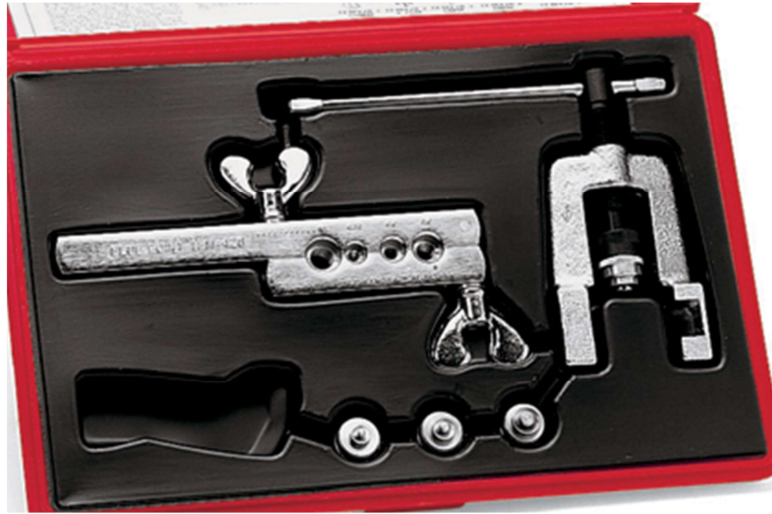
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204

Ratcheting tubing cutter

205



205

Flaring set for tubing

206



206

Tubing cutter

207



207

Self Adjusting Filter Wrench

208



208

Fitting disconnect set



209

PSI  
Readings



209

Compression gauge

PSI  
Readings

210



210

Compression gauge set

PSI  
Differential  
Readings

211



Cylinder Leakage tester

Hg  
Readings

212



212

Vacuum pump test kit

213



213

Fuel line Disconnect set

214



214

Fuel line disconnect

215



215

Line stopper

216



216

In Line Spark Tester



217



217

Ignition tester

218

VOM  
Readings



218

Digital multi meter

219

CO  
Readings



219

Carbon monoxide analyzer



Bore scope recorder

221



221

Universal quick probe

222



222

Circuit Tester

223



223

Circuit Tester

224



224

Cordless circuit tester



225

RPM  
Readings



15

Digital contact/non-contact laser tachometer

226

F or C  
Readings



226

Infrared thermometer

227

F or C  
Readings



227

Infrared thermometer



Cordless Impact Wrench



Air Hammer

230



230

Air ratchet

231



231

Air ratchet

232



Extended Reach Air Cut off Tool





Air Angle grinder

234



234

Cut off Tool Air

235



5

Cut off tool air

236



236

Air Collet Die Grinder



Air Extended reach collet die grinder

238



238

Air drill Keyed Chuck



Air Drill Keyless Chuck



Cordless Drill Keyless Chuck





Air Drill 90 degree Keyed Chuck



Cordless Drill Keyless chuck

243



243

Cordless Ratchet



Cordless Impact Wrench