

Air Conditioning Tools

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Recovery, Recycling, Recharging Systems

R-12 or R-134a Air Conditioning Recovery/Recycling Units

Warranty: Manufacturer's Two Year

European Union compliant, CE marked (285-7353)

- 285-7352 replaces discontinued 9U-6499
- Simplest, easiest to use air conditioning service units on the market today (helps technicians meet today's tough service standards)
- Operation is quick and efficient (lowers air conditioning service costs)
- Easy-to-operate (just connect quick connect couplings to vehicle and push Recovery/Recycle switch — unit completes recovery and recycle process)
- Built with quality components, such as 1/2 Hp, oil-less compressor, new advanced shock resistant scale, dual protected solenoids, and more
- Vacuum timer allows technician to set time and two-stage vacuum pump automatically pulls a deep vacuum
- Easy to set LCD display (simply scroll to correct charge and push charge switch — system quickly receives refrigerant)
- Large 75 mm (3.5 in) gauges allow technician to easily monitor air conditioning system
- 1-touch air purge eliminates non-condensables in system
- 1-touch oil drain, after every service, tells us how much oil is needed to keep compressor fully lubricated
- Automatic tank full and high pressure shut-offs
- Shock resistant scales for accurate charging
- Single-pass filtering system
- Built-in manifold gauge set
- Moisture indicator
- Tank refill adapter
- Modular design for easy repair
- Large pneumatic tires
- Premium hoses approved to SAE2197 standard
- Fully factory tested
- Built-in accessory and tool storage box



Repair Information

Ritchie Engineering Co. Inc.

10950 Hampshire Avenue South

Bloomington, MN 55438-2623

Phone: (800) 769-8370

Web site: www.yellowjacket.com

| | |
|---------------|---|
| Recovery Tank | 22.7 kg (50 lb) |
| Overall Size | 63 x 68 x 134 cm (25 x 27 x 53 in) |
| Weight | 54 kg (120) |
| Vacuum Pump | 2-stage 6 cfm |
| Hose Length | 4.5 m (15 ft) |
| 208-1385 | 1/2 in ACME female x 13 mm male adapter |

| Part Number | Description | Voltage | Warranty |
|-------------|---|--------------|-----------|
| 208-1320 | Air Conditioning Recovery/Recycling Unit (R-12) | 110 V, 60 Hz | Two Years |
| 285-7352 | Air Conditioning Recovery/Recycling Unit (R-134a) | 110 V, 60 Hz | Two Years |
| 285-7353 | Air Conditioning Recovery/Recycling Unit (R-134a) | 220 V, 50 Hz | Two Years |

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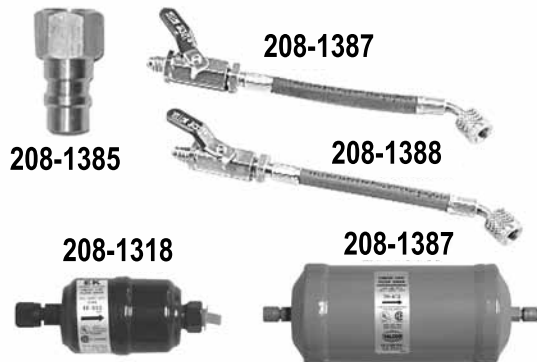
Recovery, Recycling, Recharging Systems

R-12 or R-134a Air Conditioning Recovery/Recycling Units (Continued)

Warranty: Manufacturer's Two Year

| Part Number | Description | Voltage | Warranty |
|-------------|--|--------------|-----------|
| 285-7354 | Air Conditioning Recovery/Recycling Unit R-134a, Semi Auto | 110 V, 60 Hz | Two Years |

Service / Repair Parts



| Part Number | Description | Size | 208-1320 | 285-7352 | 285-7354 | 285-7353 | Warranty |
|-----------------------------|----------------------------------|------------------|----------|----------|----------|----------|------------|
| Service/Repair Parts | | | | | | | |
| 208-1340 | Coupler, R-134a, High Side | -- | X | X | X | -- | One Year |
| 208-1339 | Coupler, R-134a, Low Side | -- | X | X | X | -- | One Year |
| 208-1319 | Cylinder with Y-valve (no float) | 22.7 kg (50 lb) | X | X | -- | X | One Year |
| 208-1387 | R-12 Flex Hose, Blue | 6.35 mm (1/4 in) | -- | -- | -- | X | One Year |
| 208-1388 | R-12 Flex Hose, Red | 6.35 mm (1/4 in) | -- | -- | -- | X | One Year |
| 208-1325 | R-12 Hose Assembly, Blue | 6.35 mm (1/4 in) | -- | -- | -- | X | One Year |
| 208-1322 | R-12 Hose Assembly, Red | 6.35 mm (1/4 in) | -- | -- | -- | X | One Year |
| 208-1335 | R-134a Hose Assembly, Blue | 6.35 mm (1/4 in) | X | X | X | -- | One Year |
| 208-1336 | R-134a Hose Assembly, Red | 6.35 mm (1/4 in) | X | X | X | -- | One Year |
| 208-1385 | R-134a Refill Adapter | --- | -- | X | X | X | One Year |
| 208-1317 | Refrigerant Filter | -- | X | X | X | X | Six Months |
| 208-1318 | Refrigerant Prefilter | -- | X | X | X | X | Six Months |
| Optional | | | | | | | |
| 208-1386 | Compressor Rebuild Kit | -- | X | X | X | X | Six Months |

208-1316 Air Conditioning Recovery, Recycling, and Recharging Unit for R-12 and R-134a

Discontinued — Service Parts Available



Repair Information

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Air Conditioning Tools

(Continued)

208-1316 Air Conditioning Recovery, Recycling, and Recharging Unit for R-12 and R-134a (Continued)

Discontinued — Service Parts Available

| Service / Repair Parts | | | |
|------------------------|-------------------------------------|------------------|------------|
| Part Number | Description | Size | Warranty |
| 208-1316 | Recharging Unit for R-12 and R-134a | -- | -- |
| 208-1317 | Refrigerant Filter | -- | Six Months |
| 208-1318 | Refrigerant Prefilter | -- | Six Months |
| 208-1322 | R-12 Hose Assembly, Red | 6.35 mm (1/4 in) | One Year |
| 208-1325 | R-12 Hose Assembly, Blue | 6.35 mm (1/4 in) | One Year |
| 208-1335 | R-134a Hose Assembly, Blue | 6.35 mm (1/4 in) | One Year |
| 208-1336 | R-134a Hose Assembly, Red | 6.35 mm (1/4 in) | One Year |
| 208-1385 | R-134a Refill Adapter | — | One Year |
| 208-1387 | R-12 Flex Hose, Blue | 6.35 mm (1/4 in) | One Year |
| 208-1388 | R-12 Flex Hose, Red | 6.35 mm (1/4 in) | One Year |

372-5255 Air Conditioning Service Machine

Model Usage: CT660 Truck

Warranty: Manufacturer's

- Used to perform a fully automatic air conditioning service
- Equipped with control functions designed to provide intuitive and rapid interaction with service technician
- Easily removable one piece composite cover allows gaining unobstructed access to all interior components for service and maintenance
- Key features include, high and low pressure gauges, power switch, control panel and LCD display, oil drain bottle and O-ring, removable cover, low and high side service hoses and couplers, fill cylinder hose, new refrigerant storage shelf, refrigerant identifier (optional), USB port, printer, TechALERT, rotating turret and storage compartments

| Specifications | |
|----------------|-----------------|
| Dimensions | 50 x 22 x 35 in |
| Weight | 116 kg |

| Part Number | Description |
|-------------|----------------------------------|
| 372-5255 | Air Conditioning Service Machine |



R-12 and R-134a Portable Refrigerant Recovery Systems

Warranty: Manufacturer's One Year

- Quickly recover contaminated, known, or unknown refrigerants including mixtures and blends
- Perfect for scavenger work or to protect recover/recycle equipment and valuable refrigerant supply
- Pump straight refrigerant at up to 4 lb/minute; vapor at 1 lb/minute
- Very durable (oil-less compressor, direct drive, and permanently lubricated cylinder walls)
- Reliable and lightweight
- Built-in 200 mesh inlet filter to protect from dirty air conditioning systems
- Easy use (2-hose setup and on-the-fly auto purge)
- 16 piece, 208-1386 Compressor Rebuild Kit is available for both units
- Recovery system contains unit, hose and tank



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Recovery, Recycling, Recharging Systems

R-12 and R-134a Portable Refrigerant Recovery Systems (Continued)

Warranty: Manufacturer's One Year

Repair Information

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| | |
|------------------------|--|
| Recovery capabilities | Vapor and liquid applications |
| Compressor | 1/6 Hp reciprocating, oil less |
| Size | 25 x 44 x 35 cm (9.7 x 17.2 x 14.0 in) |
| Refrigerant types | R-12 and R-134a |
| Voltage | 115 V 60 Hz, single phase |
| Recovery rate (liquid) | 1.8 kg (4 lb) per minute (maximum) |
| Recovery rate (vapor) | 0.5 kg (1 lb) per minute (maximum) |
| Weight | 22 kg (48 lb) |

| Part Number | Description | Size |
|--|------------------------------|------------------|
| 208-1337 | R-12 Recovery System | -- |
| 208-1338 | R-134a Recovery System | -- |
| Service/Repair Parts for 208-1338 | | |
| 272-3090 | R-134a Charging Hose, Yellow | -- |
| 300-3547 | Cylinder with Float | 13.61 kg (30 lb) |

| Part Number | Description | Size |
|---|------------------------------|------------------|
| Additional Parts for 208-1338 (Optional) | | |
| 208-1332 | R-134a Charging Hose, Blue | 2.44 m (8 ft) |
| 208-1333 | R-134a Charging Hose, Red | 2.44 m (8 ft) |
| 208-1335 | R-134a Hose Assembly, Blue | 6.35 mm (1/4 in) |
| 208-1336 | R-134a Hose Assembly, Red | 6.35 mm (1/4 in) |
| 208-1386 | Compressor Rebuild Kit | -- |
| 272-3091 | R-134a Charging Hose, Yellow | 4.57 m (15 ft) |

372-7501 Gas Analyzer Group

Model Usage: None

Warranty: Manufacturer's



European Union Compliant, CE marked

- Used to quickly, easily and accurately determine refrigerant purity in refrigerant storage cylinders or directly in vehicle air conditioning systems
- Utilizes non-dispersive infrared (NDIR) technology to determine weight concentration of refrigerant types R12, R13a, R22, hydrocarbons and air
- Includes R12 and R134a sample hoses, R134a fitting adapter, 12 V DC power cord, quick connect hose port, 25 pin printer port, all required plumbing and portable storage case
- Large graphic display with on-screen instructions
- Ultra fast 60 second test time
- Blend-ID software to identify the presence of popular SNAP Approved Blend Refrigerants
- Internal, rechargeable battery option for cordless operation in any location
- Hard shell carry/storage case

Reference

NEHS0867, Service Manual

| Specifications | |
|----------------|--------------------------------------|
| Dimensions | 140 x 200 x 60 mm (5.4 x 8 x 2.5 in) |
| Voltage | 11.5 - 16 V DC, 1.5 Amp |

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372-7501 Gas Analyzer Group (Continued)

Model Usage: None
 Warranty: Manufacturer's

| Part Number | Description |
|-------------|--------------------|
| 372-7501 | Gas Analyzer Group |

R-134a Air Conditioning Refrigerant Recovery, Recycling, and Manual Recharging Stations

152-8256 (115V)

Discontinued — Service Parts Available

154-4853 (220V)

Discontinued — Service Parts Available

| Part Number | Description | Warranty |
|-------------|----------------------------|------------|
| 208-1332 | R-134a Charging Hose, Blue | One Year |
| 208-1333 | R-134a Charging Hose, Red | One Year |
| 9U-6062 | Indicator Kit, Moisture | Six Months |
| 9U-6063 | Dust Cover | One Year |
| 9U-6505 | Filter Dryer | Six Months |

208-1355 Recharge Oil Pump

Warranty: Manufacturer's One Year

- Used to replace oil in air conditioning system or compressor after oil has been removed
- Easily works with system pressure up to 2070 kPa (300 psi)
- Includes bottle with calibration marks, hose, and low side R-134a coupler
- Can be used for R-12 systems (use a regular charging hose with 1/4 inch flare fittings)
- Volume per stroke: 0.04 L (1.5 oz)
- System pressure: up to 2070 kPa (300 psi)



Repair Information

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| Part Number | Description |
|-------------|-------------------|
| 208-1355 | Recharge Oil Pump |

208-1317 Refrigerant Filter

208-1318 Refrigerant Prefilter

Warranty: Manufacturer's Six Months

- Service parts for:
 208-1320 Air Conditioning Recovery/Recycling Unit (R-12, 110 Volt)
 285-7352 Air Conditioning Recovery/Recycling Unit (R-134a, 110 Volt)
 285-7353 Air Conditioning Recovery/Recycling Unit (R-134a, 220 Volt)

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208-1317 Refrigerant Filter (Continued)

208-1318 Refrigerant Prefilter

Warranty: Manufacturer's Six Months

| | |
|----------------------------------|--|
| 208-1317 Refrigerant Filter | |
| Capacity | 41 in ³ |
| Color | Blue |
| Overall Size (diameter x length) | 29.2 x 24.4 cm (11.5 x 10.0 in) |
| 208-1318 Refrigerant Prefilter | |
| Function | Removes moisture and oil breakdown particles |
| Connections | 1/4 in male flare x 1/4 in female flare |
| Overall Size (diameter x length) | 76.2 x 88.9 mm (3.0 x 3.5 in) |

| Part Number | Description |
|-------------|-----------------------|
| 208-1317 | Refrigerant Filter |
| 208-1318 | Refrigerant Prefilter |

Charging Scales and Manifold Gauges

Automatic Refrigerant Charging Scales

Warranty: Manufacturer's One Year
European Union compliant, CE marked (168-1961)

- Compatible with all refrigerants
- Program refrigerant amount and scale automatically shuts off when charging is complete
- Corner balancing for accurate charging
- Tare function zeros display for easy charging
- All connections located within case to protect against damage
- Pounds to kilogram switch

Repair Information

SPX Service Repair
755 Eisenhower Drive
Owatonna, MN 55060
Attn: Repair Department
Phone: 800-344-4013

Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>



| | |
|------------------------|------------------------------------|
| Weight Limit | 50 kg (110 lb) bulk tank maximum |
| Weight Resolution | 0.01 kg (0.02 lb) |
| Display | 16-digit alpha numeric LCD |
| Operating Temperature | 10° to 49° C (50° to 120° F) |
| Dimensions (W x L x H) | 34 x 28 x 10 cm (13.5 x 11 x 4 in) |
| Weight | 4 kg (8 lb) |

| Part Number | Description |
|-------------|--|
| 168-1959 | Automatic Refrigerant Charging Scale (110 V, 50 Hz) |
| 168-1961 | Automatic Refrigerant Charging Scale (220 - 240 V, 50/60 Hz) |

Manual Refrigerant Charging Scale

Warranty: Manufacturer's One Year

- Battery-powered for portability — sleep mode extends battery life (batteries included)
- Compatible with all refrigerants
- Displays refrigerant weight while charging from tank
- Corner balancing for accurate charging
- Tare function zeros display for easy charging
- Pounds-to-kilograms switch

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Charging Scales and Manifold Gauges

Manual Refrigerant Charging Scale (Continued)

Warranty: Manufacturer's One Year

| | |
|-----------------------|------------------------------------|
| Power | Six 1U-9533 AA Batteries |
| Weight Limit | 50 kg (110 lb) bulk tank maximum |
| Weight Resolution | 0.01 kg (0.02 lb) |
| Display | 16-digit alpha numeric LCD |
| Operating Temperature | 10° to 49° C (50° to 120° F) |
| Dimensions | 34 x 28 x 10 cm (13.5 x 11 x 4 in) |
| Weight | 4 kg (8 lb) |

| Part Number | Description |
|-------------|---|
| 168-1958 | Manual Refrigerant Charging Scale (Battery Powered) |

Manifold Gauges for R-12 and R-134a

Warranty: Manufacturer's One Year



- 208-1341 replaces 174-8185
- Use to check pressure in R-134a and R-12 cooling systems
- Bold, easy to read gauges (large bold numbers and colored scales are easy to read)
- Removable Lexan crystals resist breakage
- Gauge cases are color-coded red and blue
- Pressure tested for reliability
- Forged brass body with metal valve handles for durability
- Surge protector and silicone dampened movement helps minimize needle pulsation for easier, more accurate readings
- Sliding double O-ring pistons with non-rotating design reduce wear and extend service life
- Fast acting valve (only 1 1/2 turns for full flow)

Repair Information

Ritchie Engineering Co. Inc.
 10950 Hampshire Avenue South
 Bloomington, MN 55438-2623
 Phone: (800) 769-8370
 Web site: www.yellowjacket.com

| Part Number | Description | Warranty |
|----------------------|----------------------------|------------|
| 208-1321 | Manifold Assembly (R-12) | -- |
| 208-1341 | Manifold Assembly (R-134a) | -- |
| Service/Repair Parts | | |
| 208-1376 | Piston | Six Months |
| 208-1377 | Handle Group | Six Months |

Liquid-Filled Manifold Gauges for R-12 and R-134a

Warranty: Six Months



- Liquid-filled gauges have large 79.4 mm (3 1/8 in) diameter for easy reading
- Dials are color-coded
- Liquid-filled gauges dampen pulsation
- Designed with recalibrator screw

| | |
|----------|--------------------|
| Accuracy | 1.6% |
| Diameter | 79.4 mm (3.125 in) |

(Continued)

Liquid-Filled Manifold Gauges for R-12 and R-134a (Continued)

Warranty: Six Months

| Part Number | Description |
|-------------|--|
| 208-1344 | Liquid-Filled Manifold Gauge, Red, R-134a |
| 208-1345 | Liquid-Filled Manifold Gauge, Blue, R-134a |

Standard Manifold Gauges for R-12 and R-134a

Warranty: Six Months

- 208-1348 replaces discontinued 4C-4620; 208-1349 replaces discontinued 4C-4619
- Bold, high-visibility dials have colored temperature scales for easy reading
- Flutterless technology and surge protection minimize needle pulsation

| | |
|-------------|------------------|
| Accuracy | 3-2-3% |
| Diameter | 63.5 mm (2.5 in) |
| Connections | 1/8 in NPT |

| Part Number | Description | Pressure |
|-------------|------------------------------|--------------------------------------|
| 208-1342 | Manifold Gauge, Red, R-134a | 0 - 3447 kPa (0 - 500 psi) |
| 208-1343 | Manifold Gauge, Blue, R-134a | 206 - 0 - 827 kPa (30 - 0 - 120 psi) |
| 208-1348 | Manifold Gauge, Red, R-12 | 0 - 3447 kPa (0 - 500 psi) |
| 208-1349 | Manifold Gauge, Blue, R-12 | 206 - 0 - 827 kPa (30 - 0 - 120 psi) |



Tanks and Hoses

R-134a Refrigerant Tanks

Warranty: Manufacturer's One Year



- For R-134a refrigerant
- Refillable refrigerant tanks are DOT-approved for safety
- Come with the valving necessary for recovery and recycling
- Distinctive blue exterior clearly identifies these tanks as R-134a equipment

Repair Information

SPX Service Repair

755 Eisenhower Drive

Owatonna, MN 55060

Attn: Repair Department

Phone: 800-344-4013

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| Part Number | Description | Size | Float Switch |
|-------------|-------------|-----------------|--------------|
| 4C-2977 | Tank | 13.6 kg (30 lb) | Yes |
| 9U-6496 | Tank | 13.6 kg (30 lb) | No |
| 9U-6506 | Tank | 23 kg (50 lb) | No |

R-12 Refrigerant Tanks

Warranty: Manufacturer's One Year



- For R-12 refrigerant
- Complete selection of refillable refrigerant tanks for use with recovery/recycling and charging stations
- All tanks are DOT-approved and feature special valving systems to accommodate continuous loop recycling
- Extra tanks are necessary for multi-refrigerant service and are handy for rotation between recycling and recharging

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| Part Number | Description | Size | Float Switch |
|-------------|-------------|-----------------|--------------|
| 4C-4577 | DOT Tank | 13.6 kg (30 lb) | No |
| 9U-6388 | DOT Tank | 23 kg (50 lb) | Yes |

Refrigerant Recovery Tanks

Warranty: Manufacturer's One Year

- Used to store recovered refrigerants
- 300-3547 and 300-3528 are equipped with 3-pin Brad Harrison connector
- Gray and Yellow color-coding
- Y-valve allows liquid/vapor collection
- Cylinders equipped with a protective collar and handle
- Float Switch Plug: 19.05 mm (3/4 in)
- Pressure rating: 2400 kPa (350 psi)

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| Part Number | Description | Size |
|-------------|----------------------------------|------------------|
| 300-3526 | Cylinder with Y-Valve (no float) | 22.68 kg (50 lb) |
| 300-3527 | Cylinder with Y-Valve (no float) | 13.61 kg (30 lb) |
| 300-3528 | Cylinder with Float | 22.68 kg (50 lb) |
| 300-3547 | Cylinder with Float | 13.61 kg (30 lb) |

4C-5583 Heater Blanket (220-240V, 50/60 Hz)

Warranty: Manufacturer's One Year

European Union compliant, CE marked

- Assures a complete transfer of refrigerant
- Wraps around a 13.6 or 23 kg (30 or 50 lb) refrigerant drum, maintaining an even temperature for a constant positive pressure that speeds the transfer of refrigerant to give you a complete charge every time
- Maximum temperature 55° C (125° F) with thermocouple protection
- 4C-5583 comes with no plug

Repair Information

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 Owatonna, MN 55060
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 Phone: 800-344-4013

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| Part Number | Description | Size |
|-------------|----------------|--------------------|
| 4C-5583 | Heater Blanket | 220-240V, 50/60 Hz |

208-1352 Wrap-Around Heater (115V)

Warranty: Manufacturer's One Year



- Maintains an even temperature for constant positive pressure that speeds transfer of refrigerant for a complete charge every time
- Expandable (wraps around) 13.6, 22.7, and 56.7 kg [30, 50, and 125 lb] refrigerant tanks)
- Thermostat controlled

Repair Information

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| Part Number | Description | Size |
|-------------|--------------------|------|
| 208-1352 | Wrap-Around Heater | 115V |

R-12 Air Conditioning Charging Hoses

Warranty: Manufacturer's One Year



- 208-1328 replaces discontinued 4C-8574; 208-1329 replaces discontinued 4C-8576; 208-1330 replaces discontinued 4C-8575
- Proven performance
- Double barrier protection for R-12 and R-134a
- Nylon permeation barrier meets U.L. requirements for R-12, R-134a, R-22, and R-503 refrigerants
- Moisture barrier provides improved resistance to moisture (contaminates expensive refrigerant)
- SealRight fittings immediately trap refrigerant in hose when disconnected
- 45° end allows easier connection in tight areas
- Gaskets resist deterioration from R-12 and R-134a refrigerants and oils

Repair Information

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| Part Number | Description | Length |
|-------------|---------------------------------|--------|
| 208-1322 | R-12 Hose Assembly, Red | 457 |
| 208-1325 | R-12 Hose Assembly, Blue | 457 |
| 208-1327 | R-12 Charging Hose, Yellow | 457 |
| 208-1328 | R-12 Charging Hose, Yellow | 244 |
| 208-1329 | R-12 Charging Hose, Blue (high) | 244 |
| 208-1330 | R-12 Charging Hose, Red (low) | 244 |

R-134a Air Conditioning Charging Hoses

Warranty: Manufacturer's One Year

- 208-1333 replaces discontinued 9U-6516; 208-1332 replaces discontinued 9U-6512
- 1/4 inch hoses for R-134a refrigerant
- 1/2 inch Acme fitting meets SAE requirements
- Double barrier protection
- Threads:
1/2 inch ACME female
14 mm ACME male



Repair Information

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| Part Number | Description | Length | Connections |
|-------------|------------------------------|----------------|--|
| 208-1332 | R-134a Charging Hose, Blue | 244 cm (8 ft) | 1/2 in ACME female x 14 mm ACME male |
| 208-1333 | R-134a Charging Hose, Red | 244 cm (8 ft) | 1/2 in ACME female x 14 mm ACME male |
| 272-3090 | R-134a Charging Hose, Yellow | 244 cm (8 ft) | 1/2 in ACME Seal Right female x 1/2 in ACME female |
| 208-1335 | R-134a Hose Assembly, Blue | 457 cm (15 ft) | 1/2 in ACME female x 14 mm ACME male |
| 208-1336 | R-134a Hose Assembly, Red | 457 cm (15 ft) | 1/2 in ACME female x 14 mm ACME male |
| 272-3091 | R-134a Charging Hose, Yellow | 457 cm (15 ft) | 1/2 in ACME Seal Right female x 1/2 in ACME female |

Service Couplers

Warranty: Manufacturer's One Year

- 208-1339 replaces discontinued 4C-2984; 208-1340 replaces discontinued 4C-2985
- Couplers interface with R-134a service ports
- Quick, easy connect/disconnect
- Control valve allows access to system even at working pressures
- Integral safety sleeve holds coupler securely to service port
- High-flow characteristics



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| Part Number | Description | Size |
|-------------|----------------------------|-----------------|
| 208-1339 | Coupler, R-134a, Low Side | 14 mm (0.55 in) |
| 208-1340 | Coupler, R-134a, High Side | 14 mm (0.55 in) |

Vacuum Pumps and Accessories

115 and 220 Volt 1.5 CFM Vacuum Pumps

Warranty: Manufacturer's One Year



- 208-1381 replaces discontinued 9U-6464
- 208-1382 replaces discontinued 9U-6490
- Rated as "free air displacement" pump
- Rugged metal construction
- Oil reservoir port has a wide-mouth for easier, neater filling; doubles as a pump exhaust; threaded to attach garden type hose for exhausting to remote location
- Large oil reservoir helps reduce operating temperature and dilute corrosive contaminants
- Large sight glass for easier monitoring
- Large oil drain valve for quicker draining
- Longer heat dissipation fins for a cooler running unit
- Low operating temperature improves efficiency and vacuum
- Low profile on/off switch to avoid breakage
- Vacuum indicator gauge at pump intake shows evacuation progress at a glance (electronic gauge then provides more precise readings)
- Gas ballast speeds evacuation and keeps oil cleaner
- Tethered caps stay with the unit

Repair Information

Ritchie Engineering Co. Inc.
 10950 Hampshire Avenue South
 Bloomington, MN 55438-2623
 Phone: (800) 769-8370
 Web site: www.yellowjacket.com

| | |
|-------------------------------------|--|
| Pump Rating | 1.5 cfm |
| Field Rating | 15 microns |
| Intake | 1/4 flare and 1/2 in ACME thread |
| Motor | 1/6 Hp at 1725 RPM |
| Internal Capacitor Thermal Overload | Temperature rise 40° C (104° F) |
| Voltage (single phase) | 115 V, 60 Hz or 220 V, 50 Hz |
| Oil Capacity | 0.47 liter (16 oz) |
| Overall Dimensions | 26.67 x 12.95 x 23.37 cm (10.5 x 5.1 x 9.2 in) |

| Part Number | Description | Size |
|-------------|-------------|--------------|
| 208-1381 | Vacuum Pump | 115 V, 60 Hz |
| 208-1382 | Vacuum Pump | 220 V, 50 Hz |

115 and 230 Volt 4.0 CFM Vacuum Pumps

Warranty: Manufacturer's One Year

- 208-1356 replaces discontinued 9U-6465; 208-1357 replaces discontinued 9U-6491
- Rated as "free air displacement" pump
- Rugged metal construction with no plastic to crack or fall off
- Oil reservoir port has a wide-mouth for easier filling; doubles as pump exhaust; threaded to attach garden type hose for exhausting to remote location
- Large oil reservoir helps reduce operating temperature and dilute corrosive contaminants
- Large sight glass for easier monitoring
- Large oil drain valve for quicker draining
- Longer heat dissipation fins for a cooler running unit
- Low operating temperature improves efficiency and vacuum
- Low profile on/off switch to avoid breakage
- Vacuum indicator gauge at pump intake fitting shows evacuation progress at a glance (electronic gauge then provides more precise readings)
- Gas ballast speeds evacuation and keeps oil cleaner
- Tethered caps stay with the unit



Repair Information

Ritchie Engineering Co. Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

| | |
|-------------------------------------|---|
| Pump Rating | 4 cfm |
| Field Rating | 15 microns |
| Intake | 1/4 and 1/2 in ACME thread |
| Motor | 1/3 Hp at 1725 RPM |
| Internal Capacitor Thermal Overload | Temperature rise 40° C (104° F) |
| Voltage (single phase) | 115 V, 60 Hz or 230 V, 50 Hz |
| Oil Capacity | 0.7 liter (24 oz) |
| Overall Dimensions | 38.7 x 17.1 x 30.5 cm (15.25 x 6.75 x 12.00 in) |
| Weight | 13.4 kg (29.5 lb) |

| Part Number | Description | Voltage |
|-------------|-------------|-----------------|
| 208-1356 | Vacuum Pump | 115 V, 60 Hz |
| 208-1357 | Vacuum Pump | 230 V, 50/60 Hz |

R-134a 3-in-1 Valve for Vacuum/Charge/Recovery Core Tool

Warranty: Manufacturer's One Year

- Used as a vacuum monitoring valve (6.35 mm [1/4 in] side port to attach electronic micron vacuum gauge for greater accuracy)
- Core remover (allows evacuation and charge through an unrestricted line for increased speed and higher vacuum)
- Core replacement tool
- Recovery valve (core removal allows recovery unit to work at maximum efficiency, speeding recovery process)



(Continued)

R-134a 3-in-1 Valve for Vacuum/Charge/Recovery Core Tool (Continued)

Warranty: Manufacturer's One Year

Repair Information

Ritchie Engineering Co. Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

| Part Number | Description |
|-------------|--------------------------|
| 208-1383 | Core Remover (High Side) |
| 208-1384 | Core Remover (Low Side) |

208-1353 LCD Vacuum Gauge

208-1354 Sensor

Warranty: Manufacturer's One Year



208-1353 LCD Vacuum Gauge

- 208-1353 replaces discontinued 9U-6061
- Vacuum gauge combines thermocoupler sensor technology with advanced IC electronics for precise readings and repeatability not found with thermistor sensors or analog meters
- Precision circuitry to control sensor and then translate sensor input into micron readings
- Provides accurate readings on job after job from 1999 to 1 micron without calibration
- Large, high-contrast digital display for easy reading
- Female-to-female coupler to connect sensor into system
- Powered from 1 D-cell battery
- Compact design with storage case for sensor, cable, and hose
- Rugged molded case protects electronic circuitry and sensor

208-1354 Thermocouple Sensor

- No adjustments or warmup
- Stays calibrated after on/off switching and long evacuations
- Automatic ambient temperature compensation
- Automatic battery compensation
- Replaceable thermocouple sensor with 6.35 mm (1/4 in) flare (no calibration required)
- Comes with 182 cm (6 ft) long sensor cable

Repair Information

Ritchie Engineering Co. Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

| Part Number | Description |
|-------------|------------------|
| 208-1353 | LCD Vacuum Gauge |
| 208-1354 | Sensor |

208-1365 Vacuum/Charge Valve (R-12)

Warranty: Manufacturer's One Year

- Replaces discontinued 1U-9686
- Used as a vacuum monitoring valve (6.35 mm [1/4 in] side port to attach electronic micron vacuum gauge for greater accuracy)
- Core remover (allows evacuation and charge through an unrestricted line for increased speed and higher vacuum)
- Core replacement tool
- Recovery valve (core removal allows recovery unit to work at maximum efficiency, speeding recovery process)



Repair Information

Ritchie Engineering Co. Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

| Part Number | Description |
|-------------|----------------------------|
| 208-1365 | Vacuum/Charge Valve (R-12) |

Vacuum Manifolds

Warranty: Manufacturer's One Year

- Pump, manifold and thermistor vacuum gauge all hook up to this valve assembly, providing a convenient central valve control
- Vacuum valve assemblies speed up servicing by eliminating the need to switch hoses, and work with any standard manifold
- Comes with 13 mm (1/2 in) FFL coupler and large internal porting for full flow

Repair Information

SPX Service Repair
755 Eisenhower Drive
Owatonna, MN 55060
Attn: Repair Department
Phone: 800-344-4013

Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>



| Part Number | Description |
|-------------|--------------------------|
| 9U-6059 | Vacuum Manifold (R-12) |
| 9U-7942 | Vacuum Manifold (R-134a) |

Vacuum Pump Oil

Warranty: Six Months



- Recommended for use on all vacuum pumps sold by Caterpillar® and is generally recommended for use on all vacuum pumps
- Oil lubricates and seals the vacuum pump during the pump down cycle
- Vacuum pump efficiency depends largely on purity of vacuum pump oil (after every use, oil should be replaced to keep pump operating at peak efficiency)

| Part Number | Size |
|-------------|----------------|
| 1U-9763 | 0.95 L (1 qt) |
| 1U-9764 | 3.79 L (1 gal) |

Miscellaneous

262-4934 Refrigerant Identifier

Model: All

Warranty: Manufacturer's One Year

- Used to measure amount of refrigerant or air inside an air conditioning system
- Meters SAE J1661 "98% Purity Standard"
- Separate horn and light alert technician when a flammable refrigerant is detected
- Can be connected to a printer for a hard-copy report

Repair Information

Snap-On Tools Service Center

See Tool Repair Section for repair locations



| Part Number | Description | Size (H x W x D) | Weight | Power |
|-----------------------------|------------------------|--|---------------|-----------------------|
| 262-4934 | Refrigerant Identifier | 39 x 37 x 16 cm (15.5 x 14.5 x 6.5 in) | 3.6 kg (8 lb) | 110/220 VAC, 50/60 Hz |
| Service/Repair Parts | | | | |
| 208-1379 | Adapter | -- | -- | -- |
| 138-8323 | Filter Assembly | -- | -- | -- |
| 138-8324 | Hose (R-12) | -- | -- | -- |
| 138-8325 | Hose (R-134a) | -- | -- | -- |

153-8537 Air Conditioning Component Flusher (Solvent Recycler)

Warranty Manufacturer's: One Year

- Used to flush air conditioning components (lines, evaporators, and condensers) and recycle solvent in one complete unit
- Operates by using shop air to atomize flushing solvent
- Built-in pulsator "scrubs" residue and other contaminants from components and lines
- Activated charcoal filter limits emissions and odors during flushing
- Self-contained cart makes flushing fast and easy
- 2 gallons of 153-8538 solvent required for each flush procedure
- Solvent can be recycled and reused many times
- Requires discontinued 153-9033 Adapter Kit

Repair Information

SPX Service Repair

755 Eisenhower Drive

Owatonna, MN 55060

Attn: Repair Department

Phone: 800-344-4013

Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>

| Part Number | Description | Size (H x W x D) | Weight | Powered By |
|-------------|---|------------------------------------|---------------|----------------|
| 153-8537 | Air Conditioning Component Flusher (Solvent Recycler) | 116 x 56 x 66 cm (46 x 22 x 26 in) | 34 kg (75 lb) | Compressed Air |

153-8538 A/C Refrigerant Flushing Solvent

Warranty: Six Months



- Flushes lubricant contaminants and solids from A/C system lines
- Compatible with CFC, HCFC, and HFC refrigerants
- Compatible with mineral, ester and PAG oil lubricants
- Use in 153-8537 Air Conditioning Component Flusher (solvent recycler)
- See flushing unit operators manual for instructions on use

| Part Number | Description | Size |
|-------------|----------------------------------|---------------|
| 153-8538 | A/C Refrigerant Flushing Solvent | 3.8 L (1 gal) |

153-9033 Adapter Kit (Air Conditioning Flushing)

Warranty: Six Months

- Provides necessary adapters to flush Cat® air conditioning system components
- Used with 153-8537 Air Conditioning Flusher
- Isolates components for closed loop flushing
- Flushes without removing component from vehicle
- Adapter fittings: 7/16-20 flare
- Air conditioning hose: 6.35 mm (1/4 in), standard

| Part Number | Description |
|-----------------------------|---|
| 153-9033 | Adapter Kit (Air Conditioning Flushing) |
| Service/Repair Parts | |
| 159-6114 | Adapter |
| 159-6169 | Adapter |
| 159-6122 | Adapter |
| 159-6146 | Adapter |
| 159-6115 | Adapter |
| 159-6144 | Adapter |
| 159-6117 | Adapter |

| Part Number | Description |
|---|-----------------------------------|
| Service/Repair Parts (Continued) | |
| 159-6118 | Adapter |
| 159-6119 | Adapter |
| 159-6134 | Adapter |
| 159-6135 | Adapter |
| 159-6116 | Adapter |
| 4C-3723 | Box (Yellow Plastic for Fittings) |
| 9U-7936 | Cap Kit |
| 159-6147 | Service Cap |

372-5232 Air Conditioning Adapter Fitting

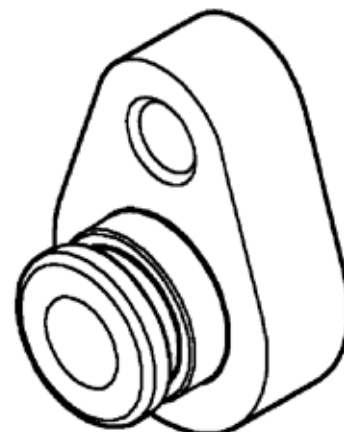
Model Usage: CT660 Truck

Warranty: Manufacturer's

- Used to flush and purge condenser, evaporator and refrigerant lines on air conditioning systems
- 3/4" male air conditioning block "C" plate flush & purge adapter fitting

| Specifications | |
|----------------|---|
| Dimensions | 121.9 x 177.8 x 25.4 mm (4.8 x 7 x 1 in.) |
| Weight | .12 kg (.27 lb) |

| Part Number | Description |
|-------------|----------------------------------|
| 372-5232 | Air Conditioning Adapter Fitting |

**372-5233 Air Conditioning Adapter Fitting**

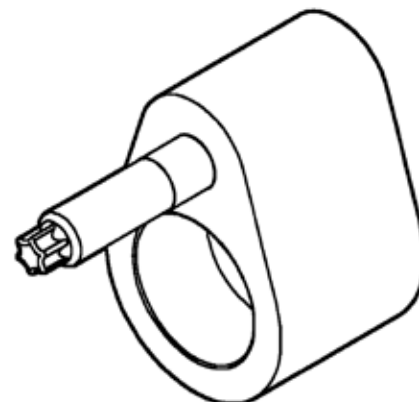
Model Usage: CT660 Truck

Warranty: Manufacturer's

- Used to flush and purge the condenser, evaporator and refrigerant lines on air conditioning systems
- 3/4" female air conditioning block "C" plate flush & purge adapter fitting

| Specifications | |
|----------------|--|
| Dimensions | 12.7 x 226.1 x 43.2 mm (0.5 x 8.9 x 1.7 in.) |
| Weight | .20 kg (.43 lb) |

| Part Number | Description |
|-------------|----------------------------------|
| 372-5233 | Air Conditioning Adapter Fitting |

**372-5234 Air Conditioning Adapter Fitting**

Model Usage: CT660 Truck

Warranty: Manufacturer's

- Used to flush and purge condenser, evaporator and refrigerant lines on air conditioning systems
- 1/2" male air conditioning block "C" plate flush & purge adapter fitting

| Specifications | |
|----------------|---|
| Dimensions | 177.8 x 127.0 x 25.4 mm (7 x 5 x 1 in.) |
| Weight | .12 kg (.27 lb) |

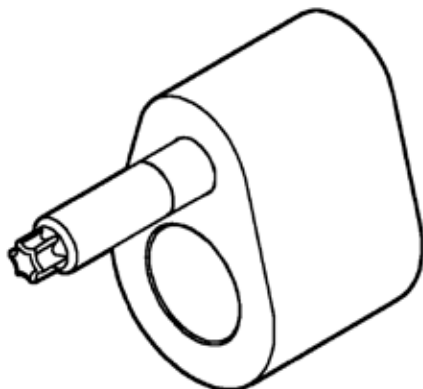
| Part Number | Description |
|-------------|----------------------------------|
| 372-5234 | Air Conditioning Adapter Fitting |



372-5235 Air Conditioning Adapter Fitting

Model Usage: CT660 Truck

Warranty: Manufacturer's



- Use to flush and purge the condenser, evaporator and refrigerant lines on air conditioning systems
- 1/2" female air conditioning block "C" plate flush & purge adapter fitting

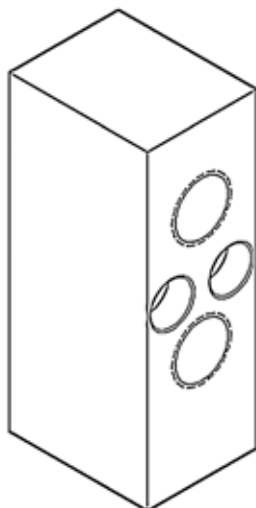
| Specifications | |
|----------------|--|
| Dimensions | 165.1 x 109.2 x 25.4 mm (6.5 x 4.3 x 1.0 in) |
| Weight | .17 kg (.38 lb) |

| Part Number | Description |
|-------------|----------------------------------|
| 372-5235 | Air Conditioning Adapter Fitting |

372-5236 Evaporator Flush & Purge Adapter

Model Usage: CT660 Truck

Warranty: Manufacturer's



- Allows one to safely flush and purge the evaporator while it is mounted in the vehicle.

| Specifications | |
|----------------|--|
| Dimensions | 94.0 x 61.0 x 58.4 mm (3.7 x 2.4 x 2.3 in) |
| Weight | .68 kg (1.5 lb) |

| Part Number | Description |
|-------------|----------------------------------|
| 372-5236 | Evaporator Flush & Purge Adapter |

208-1374 Refrigerant Leak Detector Kit

Warranty: Manufacturer's One Year



- 208-1374 replaces discontinued 4C-2964
- Used to quickly locate leaks of any common refrigerant
- Unique heated triode dispersive electron technology and 3-position sensitivity switch provide correct and reliable detection of R-12, R-22, R-134a , and R-410a
- Manual or automatic background compensation helps prevent false alarms
- Airflow system provides quick response (less than a second)
- Fast recovery from full alarm
- 4 easy-to-read LEDs quantity leak size for accurate measurement of small, medium, large, or gross leaks
- Audible and visual alarms
- Lightweight
- Battery operated; battery status LED shows charge condition; changes from green to yellow to red

(Continued)

208-1374 Refrigerant Leak Detector Kit (Continued)

Warranty: Manufacturer's One Year

Repair Information Ritchie Engineering Co. Inc.

10950 Hampshire Avenue South
 Bloomington, MN 55438-2623
 Phone: (800) 769-8370
 Web site: www.yellowjacket.com

| | |
|------------------------------------|---|
| Probe lengths | 20 or 30 cm (8 or 12 in) |
| R-134a sensitivity detection level | 15 ml (0.50 oz) per year or greater leak rate |
| R-12 sensitivity detection level | 3 ml (0.10 oz) per year or greater leak rate |
| Repeatability | SAE standard J1627 |
| Ambient operating temperature | 0° to 40° C (32° to 104° F) |
| Batteries | Quick-recharge, 7.2 VDC (2) |
| Power consumption | 4 hour continuous operations; up to 8 hours in normal on/off mode |
| Case | Polypropylene durable plastic |

| Part Number | Description |
|-------------|-------------------------------|
| 208-1374 | Refrigerant Leak Detector Kit |

1U-9690 Air Conditioning Charging and Testing Tool Group (R-12)

Warranty: Manufacturer's One Year

- Group includes all items in figure plus: form NEEG2387 and decal NEEG2378

Repair Information

SPX Service Repair
 755 Eisenhower Drive
 Owatonna, MN 55060
 Attn: Repair Department
 Phone: 800-344-4013

Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>



| Included Items: | |
|-----------------|---------------------|
| Thermometer | (One Year Warranty) |
| NEEG2387 | Form |
| NEEG2378 | Decal |

| Part Number | Description | Warranty | Qty. |
|-----------------------------|--|------------|------|
| 1U-9690 | Air Conditioning Charging and Testing Tool | One Year | -- |
| Service/Repair Parts | | | |
| 1U-9684 | Gage Hold Block | Six Months | -- |
| 1U-9685 | Tray Block | Six Months | -- |
| 1U-9688 | Grommet Kit | Six Months | 2 |
| 1U-9689 | Valve Core Depressor Kit | Six Months | 2 |
| 1U-9691 | Straight Adapter | One Year | -- |
| 1U-9692 | 90 Degree Adapter | One Year | -- |
| 1U-9886 | Coupler | One Year | -- |

| Part Number | Description | Warranty | Qty. |
|---|---------------------------------|------------|------|
| Service/Repair Parts (Continued) | | | |
| 208-1328 | R-12 Charging Hose, Yellow | One Year | -- |
| 208-1329 | R-12 Charging Hose, Blue (high) | One Year | -- |
| 208-1330 | R-12 Charging Hose, Red (low) | One Year | -- |
| 208-1341 | Manifold Assembly (R-134a) | -- | -- |
| 208-1363 | Adapter - A/C | One Year | -- |
| 208-1365 | Vacuum/Charge Valve (R-12) | One Year | 2 |
| 233-8583 | Vented Safety Goggles | Six Months | -- |

Air Conditioning Tools

(Continued)

1U-9690 Air Conditioning Charging and Testing Tool Group (R-12) (Continued)

Warranty: Manufacturer's One Year

| Part Number | Description | Warranty | Qty. | Part Number | Description | Warranty | Qty. |
|---|--------------------------|------------|------|---|----------------------------|------------|------|
| Service/Repair Parts (Continued) | | | | Service/Repair Parts (Continued) | | | |
| 5P-7277 | Voltage Tester | One Year | -- | 5P-8571 | Grommet Kit | Six Months | 2 |
| 5P-8567 | Hose Adapter | One Year | 2 | 6V-7145 | Case | One Year | -- |
| 5P-8568 | Valve Core Depressor Kit | Six Months | 2 | 8T-0500 | Light - Continuity Testing | One Year | -- |
| 5P-8569 | Hose Adapter | One Year | -- | 9U-7932 | Leak Detector | Six Months | -- |

9U-6494 Oil Injector (R-134a)

Warranty: Manufacturer's One Year



- For R-134a refrigerant
- Installed in-line on the low side of the manifold, it pulls oil into the system while it's in a vacuum (watch calibrations on the bottle and close the valve when enough oil has been added)

| Part Number | Description |
|-------------|-----------------------|
| 9U-6494 | Oil Injector (R-134a) |

Repair Information

SPX Service Repair
 755 Eisenhower Drive
 Owatonna, MN 55060
 Attn: Repair Department
 Phone: 800-344-4013
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Recover/Recycling Filter-Dryers

Warranty: Manufacturer's One Year

- Specially blended for maximum acid, moisture and condensible removal
- Keep extra filters on hand, especially during the busy air conditioning season

Repair Information

SPX Service Repair
 755 Eisenhower Drive
 Owatonna, MN 55060
 Attn: Repair Department
 Phone: 800-344-4013
 Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>

| Part Number | Description | Works With |
|-------------|--------------------|------------|
| 4C-4588 | Filter Dryer Core | -- |
| 9U-6080 | Inlet Filter Dryer | 9U-6078 |
| 9U-6505 | Filter Dryer | -- |

208-1375 Orifice Tube Remover Kit

Warranty: Manufacturer's One Year

| Part Number | Description |
|-------------|-------------------------------|
| 208-1375 | Orifice Tube Re- mover Kit |

- 208-1375 replaces discontinued 1U-9890
- Designed to remove all necessary parts of complete or damaged orifice tube
- Kit includes all items in figure



Repair Information

Ritchie Engineering Co. Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

Adapters and Coupler

Warranty: Manufacturer's One Year

- 208-1379 replaces discontinued 1U-9340; 208-1363 replaces discontinued 1U-9687
- Adapt female quick connect to male thread
- Knurled fittings for easy connection

Repair Information

Ritchie Engineering Co., Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com



| Item | Part Number | Description | Size |
|------------------------------|-------------|---------------|---|
| Adapters and Couplers | | | |
| 1 | 208-1390 | Coupler | 1/4 female hex to 1/2 male ACME |
| 2 | 208-1363 | Adapter - A/C | R-12, 3/16 female QD to 1/4 male flare |
| 3 | 267-7537 | Adapter | 12.7 mm (1/2 in) ACME "Sealright" female x 12.7 mm (1/2 in) ACME male |
| 4 | 208-1379 | Adapter | -- |

Adapters

Warranty: Manufacturer's One Year

- Used for system evacuation

Repair Information

SPX Service Repair
755 Eisenhower Drive
Owatonna, MN 55060
Attn: Repair Department
Phone: 800-344-4013

Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>



| Part Number | Description | Size | Warranty |
|-------------|------------------------|--------------------|----------|
| 1U-9692 | Adapter, 90° Brass | 1/4 MFL x 3/16 FFL | One Year |
| 5P-8567 | Adapter, 90° Brass | 1/4 MFL x 1/4 FFL | One Year |
| 1U-9691 | Straight Brass Adapter | 1/4 MFL x 3/16 FFL | One Year |
| 1U-9886 | Straight Brass Adapter | 1/4 MFL x 1/4 FFL | One Year |
| 5P-8569 | Straight Brass Adapter | 1/4 MFL x 1/4 FFL | One Year |

(Continued)

Adapters (Continued)

Warranty: Manufacturer's One Year

| Part Number | Description | Size | Warranty |
|-----------------------------|----------------------|-----------------|------------|
| Service/Repair Parts | | | |
| 1U-9688 | Grommet Kit | 5 mm (3/16 in) | Six Months |
| 5P-8571 | Grommet Kit | 6.4 mm (1/4 in) | Six Months |
| 1U-9689 | Valve Core Depressor | 5 mm (3/16 in) | Six Months |
| 5P-8568 | Valve Core Depressor | 6.4 mm (1/4 in) | Six Months |

R-12 Service Adapter

Warranty: Manufacturer's One Year



- Used to service air conditioning systems on 1991 and later GM vehicles

Repair Information

Ritchie Engineering Co., Inc.
 10950 Hampshire Avenue South
 Bloomington, MN 55438-2623
 Phone: (800) 769-8370
 Web site: www.yellowjacket.com

| Part Number | Description |
|-------------|--------------------------|
| 208-1364 | Air Conditioning Adapter |

9U-7941 Fitting Kit (Flexible Adapters)

Warranty: Manufacturer's One Year



- "Fits-all" adapter kits designed for accessing air conditioning systems for service procedures
- Flexible adapters have brass fittings and durable 15.24 cm (6 in) neoprene-coated hose
- Solid brass 90° fittings ideal for tight spots or locations where making connections is difficult
- Kit includes all items in figure

Repair Information

SPX Service Repair
 755 Eisenhower Drive
 Owatonna, MN 55060
 Attn: Repair Department
 Phone: 800-344-4013
 Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>

| |
|---|
| 9U-7941 Fitting Kit includes one each of: |
| 1/4 in MFL x 1/8 in FFL hose |
| 1/4 in MFL x 3/16 in FFL hose |
| 1/4 in MFL x 1/4 in FFL hose |
| 1/4 in MFL x 3/16 in FFL adapter |
| 1/4 in MFL x 1/4 in FFL adapter |

| Part Number | Description |
|-------------|---------------------------------|
| 9U-7941 | Fitting Kit (Flexible Adapters) |

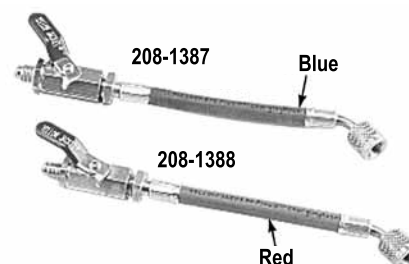
Flex Hoses

Warranty: Manufacturer's One Year

- 208-1387 used on low-pressure side of R-12 air conditioning recovery systems; 208-1388 used on high-pressure side
- Easy retrofit of existing hoses to provide ball valve capability
- Flexible hose between valve and fitting makes hook-up in tight areas much easier

Repair Information

Ritchie Engineering Co., Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com



| Part Number | Description | Size |
|-------------|----------------------|------------------|
| 208-1387 | R-12 Flex Hose, Blue | 6.35 mm (1/4 in) |
| 208-1388 | R-12 Flex Hose, Red | 6.35 mm (1/4 in) |

Belt Tension Gauges

Model: All

Warranty: Six Months

- Used to check tension of belts driving components such as air compressor, air conditioning compressor, alternator, water pump, or other belt-driven attachments
- Increased accuracy is provided by a belt thickness compensating feature
- Has a permanent dial decal
- Eliminates belt slippage
- 144-0235 Belt Tension Gauge works on "A" section belts with top width of 9.0 to 13.0 mm (0.37 to 0.50 in) and "K" section poly-v, 4-, 5-, and 6-rib belts
- 240-8220 Belt Tension Gauge works on section belts with top width of 9.7 to 31.8 mm (0.38 to 1.25 in) and "K" section poly-v, and 8-rib belts



| Part No. | Description | Overall Size | Length | Weight | Accuracy | Range |
|----------|--------------------|----------------------------|----------------------|----------------------|----------|-------------------------------|
| 144-0235 | Belt Tension Gauge | 102 x 203 mm (4 x 8 in) | 82.6 mm (3.25 in) | 400 g (14 oz) | ± 10% | 130 - 800 N (30 - 180 lb) |
| 240-8220 | Belt Tension Gauge | 102 x 103 mm (4 x 8 in) | -- | 0.57 kg (1.25 lb) | ± 5% | 445 - 890 N (100 - 200 lb) |

FT3062 Belt Tensioner

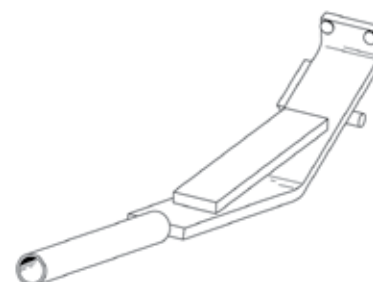
Model: CP533E, CS-533E Soil Compactor

Warranty: Six Months

- Reduces the difference in tension between two belts by an average force of 6 kg (13 lb)
- Use along with 144-0235 Belt Tension Gauge
- Used to place equal tension on multi-belt drive systems
- Use with a belt tension gauge to obtain correct belt tension
- Tool works against alternator housing to create belt tension
- Prevents alternator from being pulled at an angle which creates uneven belt tension (use this tool instead of a pry bar)
- Equal belt tension extends life of drive belts

Reference

SEPD0850, Service Magazine Article



208-1350 Fin Comb

Warranty: Manufacturer's One Year



- 208-1350 replaces discontinued 8T-9275
- Multi-head tools straightens 8, 9, 10, 12, 14, and 15 fins per inch
- Works on radiator evaporator coils and aluminum finned heat exchangers
- Breaks down easily for tool box storage
- Compact 10 cm (4 in) length

Repair Information

Ritchie Engineering Co., Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com

| Part Number | Description |
|-------------|-------------------|
| 208-1350 | Radiator Fin Comb |

9U-6063 Dust Cover

Warranty: Manufacturer's One Year



- Fits all cart-style units, Smart Cart and manual charging stations (will not fit discontinued 208-1316 or discontinued 154-4617)
- Protects your recovery/recycling equipment
- Made of top quality heavy-duty vinyl
- Seams are corded for extra durability
- Medium gray color

Repair Information

SPX Service Repair
755 Eisenhower Drive
Owatonna, MN 55060
Attn: Repair Department
Phone: 800-344-4013
Visit the SPX Repair Track web link to complete and submit the form for proper authorization: <https://repairtrack.spx.com>

| Part Number | Description |
|-------------|-------------|
| 9U-6063 | Dust Cover |

9U-5325 Analog Thermometer

Warranty: One Year



- For most any temperature measuring application
- All have pocket clips

| | |
|----------|----------------|
| Accuracy | ± 2% |
| Range | -40° to 160° F |

| Part Number | Description |
|-------------|--------------------|
| 9U-5325 | Analog Thermometer |

Air Conditioning Lubricants

Warranty: Six Months

- Specially formulated lubricants for use with R-134a refrigerants

| | | |
|--|--|---|
| 4C-2959 PAG Oil | 9U-7551 PAG Oil | 4C-2960 PAG Oil |
| Polyalkylene glycol oil for Sanden compressors | Polyalkylene glycol oil | Polyolester oil |
| High-viscosity refrigerant oil for R-134a | Low-viscosity refrigerant oil for R-134a | ISO viscosity 150° refrigerant oil for R-134a |
| Meets GM Spec 9985752 | | Required for R-12 to R-134a retrofits |

| Part Number | Description | Size | Package Quantity |
|-------------|-------------|---------------------|------------------|
| 4C-2960 | PAG Oil | 250 ml (8.45 fl oz) | 1 |
| 4C-2959 | PAG Oil | 250 ml (8.45 fl oz) | 1 |
| 9U-7551 | PAG Oil | 250 ml (8.45 fl oz) | 1 |

208-1366 Seal and Gasket Kit

Warranty: Manufacturer's Six Months

- Used to provide O-rings and gaskets for Plus II refrigerant hoses with SealRight fittings

Repair Information

Ritchie Engineering Co., Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com



| Part Number | Description | Quantity |
|-------------|---------------------------|----------|
| 208-1366 | Seal and Gasket Kit | -- |
| 208-1367 | 3/8 in gasket | 10 |
| 208-1368 | 1/4 in gasket | 10 |
| 208-1369 | 1/8 in gasket | 5 |
| 208-1370 | O-ring 14 mm male fitting | 10 |
| 208-1371 | O-ring | 10 |
| 208-1372 | Plug Assembly | 4 |
| 208-1373 | Nut and Clip | 4 |

312-8796 Handling Assembly

Model: 16M Motor Grader

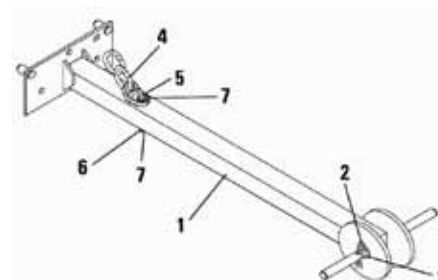
Warranty: Six Months

European Union compliant, CE marked

- Used to remove and install air conditioning condenser on 16M Motor Graders
- Used with appropriate lifting device
- Requires three 8T-4136 bolts and three 7X-7729 washers (dealer supplied) to attach tooling to condenser
- Counterweights keep condenser in horizontal position during component removal and installation
- Counterweights are easily removed while tooling is attached to or removed from condenser and for handling and storage

Reference

- KENR6017-01, 16M Motor Grader Engine Supplement
- NEHS1021, Tool Operating Manual, 312-8796 Handling Assembly Tool Operating Manual



(Continued)

Air Conditioning Lubricants

Warranty: Six Months

- Specially formulated lubricants for use with R-134a refrigerants

| | | |
|--|--|---|
| 4C-2959 PAG Oil | 9U-7551 PAG Oil | 4C-2960 PAG Oil |
| Polyalkylene glycol oil for Sanden compressors | Polyalkylene glycol oil | Polyolester oil |
| High-viscosity refrigerant oil for R-134a | Low-viscosity refrigerant oil for R-134a | ISO viscosity 150° refrigerant oil for R-134a |
| Meets GM Spec 9985752 | | Required for R-12 to R-134a retrofits |

| Part Number | Description | Size | Package Quantity |
|-------------|-------------|---------------------|------------------|
| 4C-2960 | PAG Oil | 250 ml (8.45 fl oz) | 1 |
| 4C-2959 | PAG Oil | 250 ml (8.45 fl oz) | 1 |
| 9U-7551 | PAG Oil | 250 ml (8.45 fl oz) | 1 |

208-1366 Seal and Gasket Kit

Warranty: Manufacturer's Six Months

- Used to provide O-rings and gaskets for Plus II refrigerant hoses with SealRight fittings

Repair Information

Ritchie Engineering Co., Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623
Phone: (800) 769-8370
Web site: www.yellowjacket.com



| Part Number | Description | Quantity |
|-------------|---------------------------|----------|
| 208-1366 | Seal and Gasket Kit | -- |
| 208-1367 | 3/8 in gasket | 10 |
| 208-1368 | 1/4 in gasket | 10 |
| 208-1369 | 1/8 in gasket | 5 |
| 208-1370 | O-ring 14 mm male fitting | 10 |
| 208-1371 | O-ring | 10 |
| 208-1372 | Plug Assembly | 4 |
| 208-1373 | Nut and Clip | 4 |

312-8796 Handling Assembly

Model: 16M Motor Grader

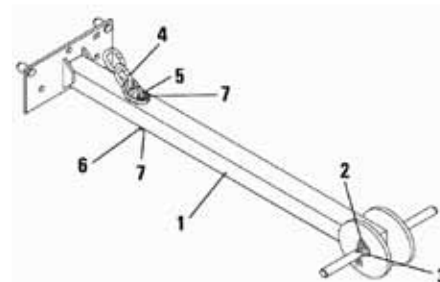
Warranty: Six Months

European Union compliant, CE marked

- Used to remove and install air conditioning condenser on 16M Motor Graders
- Used with appropriate lifting device
- Requires three 8T-4136 bolts and three 7X-7729 washers (dealer supplied) to attach tooling to condenser
- Counterweights keep condenser in horizontal position during component removal and installation
- Counterweights are easily removed while tooling is attached to or removed from condenser and for handling and storage

Reference

- KENR6017-01, 16M Motor Grader Engine Supplement
- NEHS1021, Tool Operating Manual, 312-8796 Handling Assembly Tool Operating Manual



(Continued)

312-8796 Handling Assembly (Continued)

Model: 16M Motor Grader

Warranty: Six Months

| | |
|------------------------------|-------------------|
| Working load limit | 75 kg (165 lb) |
| Total weight | 50 kg (110 lb) |
| Counterweight (each) | 10 kg (22 lb) |
| Approximate length (overall) | 2066 mm (81.3 in) |
| Maximum width (at crossbar) | 610 mm (24.0 in) |
| Maximum height (laying flat) | 254 mm (10.0 in) |

| Service and Repair Parts | | | | |
|--------------------------|-------------|-------------------|-------------------------------------|----------|
| Item | Part Number | Description | Size | Quantity |
| 1 | 312-8796 | Handling Assembly | -- | 1 |
| 2 | 5P-0372 | Lock Pin | -- | 2 |
| 3 | 2J-3506 | Nut | 3/4 - 10 | 1 |
| 4 | 138-7574 | Link Bracket | 3/4 in | 3 |
| 5 | 4E-9311 | Bolt | 3/4 - 10x101.6 mm (4.00 in) long | 1 |
| 6 | 5P-8250 | Hard Washer | 25.4 mm (1.00 in) ID | 2 |
| 7 | 5P-8248 | Hard Washer | 19.0 mm (0.750 in) ID | 2 |

362-7930 Flushing Adapter Kit (R134a Refrigerant)

Essential Tool

Model: Air Conditioning Systems with R134a Refrigerant

Warranty: Six Months

- Provides necessary adapters for flushing air conditioning systems using R134a Refrigerant available with Tier IV products
- Used with 153-8537 Air Conditioning Flusher
- Brass fittings on adapters connect to standard air conditioning hoses
- Isolates components for closed-loop flushing
- Flushes without removing component from vehicle
- Contains two sets of small adapters [12.7 mm (.5 in)] with ten integral seals and one set of large adapters [19.05 mm (.75 in)] with ten integral seals
- Carrying case with foam insert keeps tooling neatly stored and easily accessible
- Serviced separately: 327-0282 Integral Seal and 327-0283 Integral Seal

| | |
|---|---------------------|
| Case size: | Weight (estimated): |
| 31.1 x 22.5 x 9.6 cm(12.25 x 8.875 x 3.81 in) | 1.3 kg (3 lb) |

| Part Number | Description |
|-------------|---|
| 362-7930 | Flushing Adapter Kit(R134a Refrigerant) |
| 327-0282 | Seal |
| 327-0283 | Seal |

395-0092 Alignment Pin, 417-6865 Alignment Pin

Model Usage: 793F, 795F, 797F

Warranty: Six Months

- Used to ensure proper align air conditioning pulleys to prevent air conditioning belt damage
- Black Oxide coated for corrosion resistance

Reference

REHS4747, Special Instruction

Realignment of The Air Compressor Pulley on 793F, 795F and 797F Off-Highway Trucks



| Specifications | | |
|-----------------------|--|------------------|
| Part Number | Dimensions | Weight |
| 395-0092 | 74 mm (2.91 in); 10 mm (.39 in) Hex size; M12 x 1.75 external thread; 13 mm (.51 in) clearance hole | .066 kg (.15 lb) |
| 417-6865 | 74 mm (2.91 in); 10 mm (.39 in) Hex size; M12 x 1.75 external thread; 14 mm (.55 in) clearance hole | .066 kg (.15 lb) |

