



KAS PRE-CLEANER

CASEIH 7010/8010 7120/8120

ADAPTOR KIT - LOW MOUNT

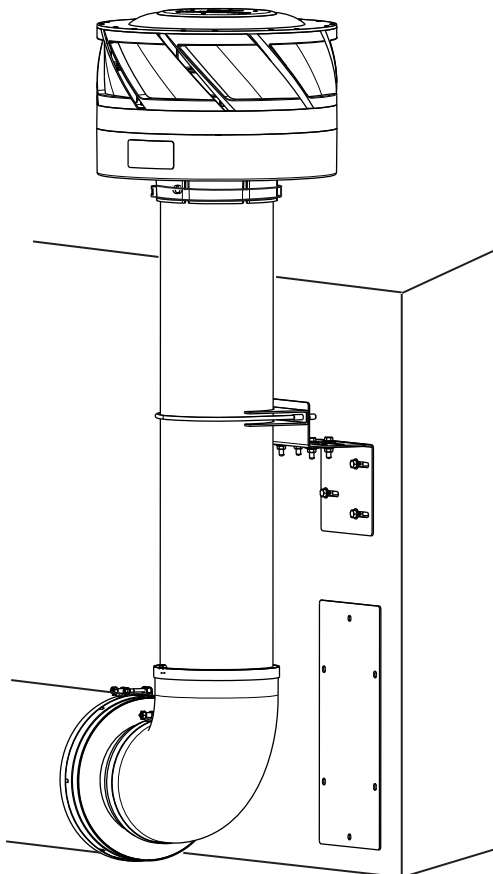
INSTALLATION MANUAL

PRODUCT NUMBER: KAS-201

This kit is for OEM low mount air cleaner with this configuration:



Installed low mount KAS adaptor and KAS Pre-cleaner kit:



0 Safety

0.1 Instructions

0.1.1 IMPORTANT: Read through this instruction manual thoroughly and familiarize yourself with the KAS Pre-cleaner before installation of these components.

This instruction manual explains the proper procedure for installation of the KAS Pre-cleaner. Do not skip steps or perform them out of order.



0.2 Recognize Safety Information

0.2.1 This is a safety-alert symbol. When you see this symbol on your straw chopper or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



0.3 Understand Signal Words

0.3.1 A signal word - DANGER, WARNING, or CAUTION - is used with the safety-alert symbol. DANGER identifies the most serious hazards.

WARNING or CAUTION safety signs are located near specific hazards or precautionary areas in this manual.



0.4 Work In Ventilated Area

0.4.1 Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

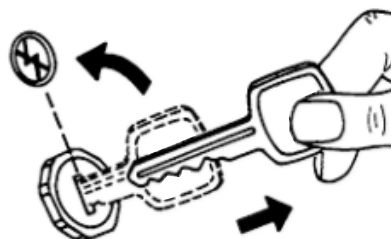


0.5 Remove Key from Ignition

0.5.1 ALWAYS shut off machine engine prior to working on it.

Apply park brake, remove key and lock operators cab.

If the machine is equipped with an additional safety master power switch, turn this to the Power OFF position.



0.6 Block Wheels

0.6.1 Park the machine on level ground.

Always engage the park brake and block the wheels prior to working to prevent the machine from moving.



0.7 Practice Safe Maintenance

0.7.1 Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet and clothing away from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil or debris.



0.8 Guards and Shields

0.8.1 Keep guards and shields in place at all times. Ensure that they are serviceable and maintained correctly.



0.9 Avoid Contact With Moving Parts

0.9.1 Keep hands, feet and clothing away from power driven parts. Never clean, lubricate or adjust machine when it is running.

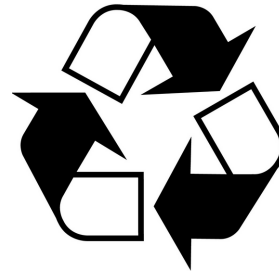


0.10 Dispose of Waste Properly

0.10.1 Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste includes such items as oil, fuel, coolant, brake fluid, filters and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain or into any water source.



0.11 Personal Protective Equipment (PPE)

0.11.1 A Qualified Person designated by the employer, who is knowledgeable about and familiar with all relevant specifications and assembly instructions and is capable of identifying existing or potential hazards in surroundings or working conditions which may be hazardous or dangerous to employees shall determine appropriate Personal Protective Equipment required for this assembly.

Personal Protective Equipment (PPE) are devices worn by the employees to protect against hazards in the environment. Examples include safety glasses, face shields, respirators, gloves, hard hats, steel-toe shoes, and hearing protection. Wear close fitting clothing and safety equipment appropriate for the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

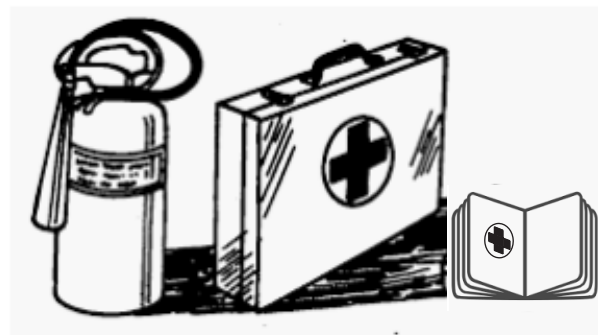


0.12 Prepare for Emergencies

0.12.1 Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital and fire department near your telephone.



0.13 In the Event of Fire

0.13.1 Stop work immediately at first sign of fire. This may be the smell of smoke or the sight of smoke or flames.



CAUTION: Do not risk personal injury. If a fire is too far advanced, do not try to extinguish it.



If a fire can be safely extinguished, proceed carefully and follow these guidelines:

1. Remove fire extinguisher from bracket and carry it to the area of fire.
2. Approach area of fire wind to your back.
3. Pull the safety pin out of actuating lever.
4. Hold extinguisher upright and aim hose at base of flames.
5. Squeeze lever to discharge fire extinguisher.
6. Move hose to cover the source of the fire evenly with extinguishing agent.

0.14 Safety Decals

Pictorial Safety Signs

At several important places on this machine, safety signs are affixed intending to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information on how to avoid personal injury. These safety signs and a brief explanatory text follow.

Hand Injury / Rotate Danger RP1089

Risk of injury caused by rotating parts.



Caution / Check Service Manual RP873

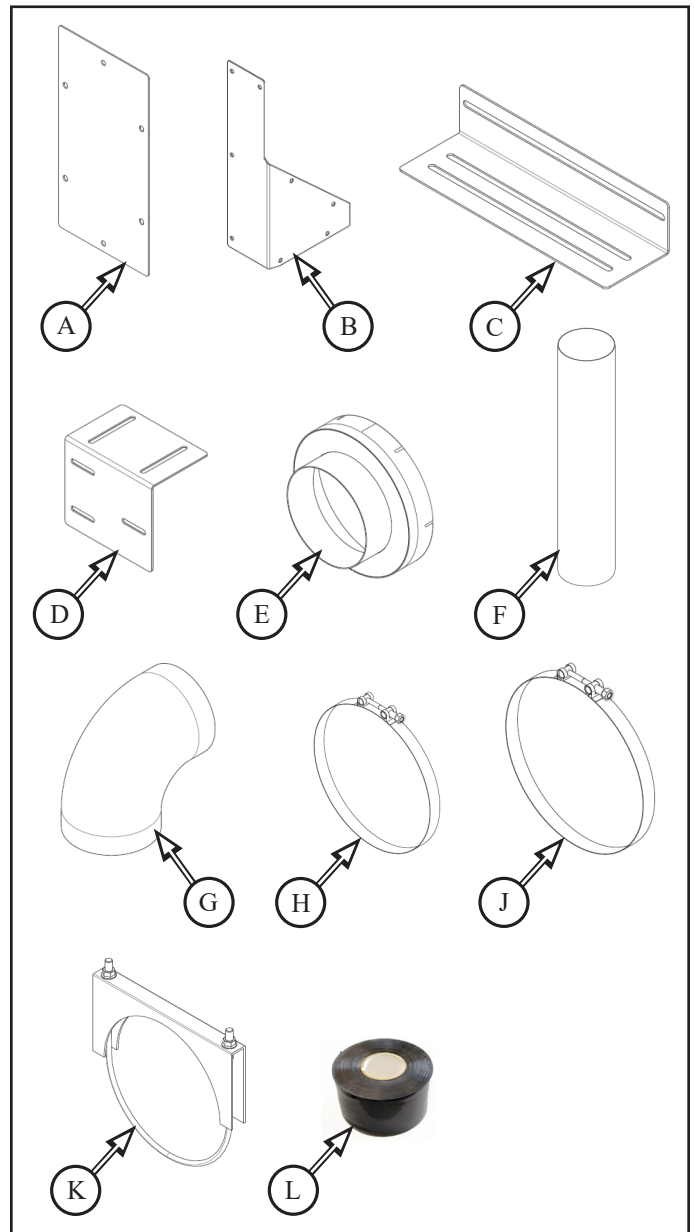
This operator's manual contains all important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.



1 KAS Pre-Cleaner Adaptor Kit Installation

Parts List:

KA112B	Radiator Blank Off Plate (A)	Qty 1
KA113B	Radiator Blank Off Plate - Wrap Around (B)	Qty 1
KA114B	Lower Bracket (C)	Qty 1
KA115B	Clamp Support (D)	Qty 1
KA108BA	Adapter - 11-3/8 to 8 (E)	Qty 1
KA111B	Air Intake Tube (F)	Qty 1
RP1563	Elbow 90 Deg EPDM - 8" ID (G)	Qty 1
RP1564	Clamp T-Bolt 0.25 x 8.88 ID SS (H)	Qty 2
RP1571	Clamp T-Bolt 0.25 x 11.78 ID SS (J)	Qty 1
RP1561	Clamp UBolt - 8-1/8" ID (K)	Qty 1
RP1573	Tile Tape (L)	Qty 1



**** Ensure dust, dirt and chaff is blown away from work area ****



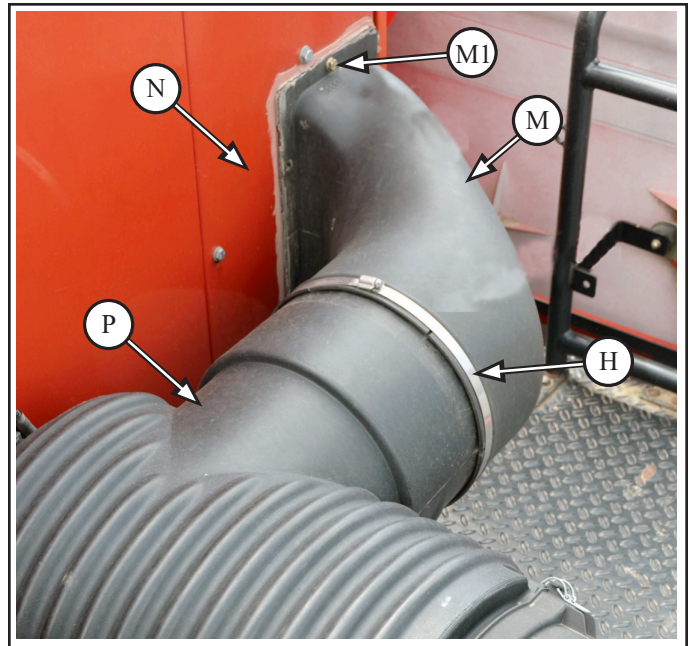
**** Ensure dust, dirt and chaff is blown away from work area ****

1.1 Remove OEM intake elbow (**M**) from radiator box (**N**)
- hardware (**M1**) to be reused

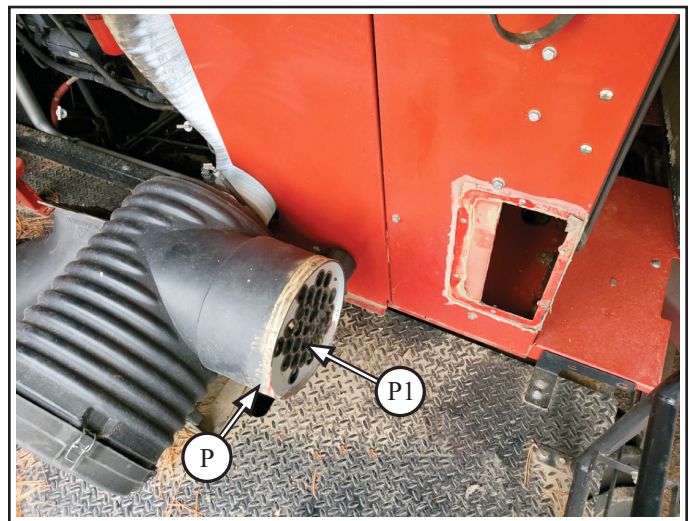
1.2 Remove OEM intake elbow (**M**) from filter housing (**P**)
- hose clamp (**H**) to be reused



WARNING ** Ensure no debris enters engine intake while transition chute is removed **

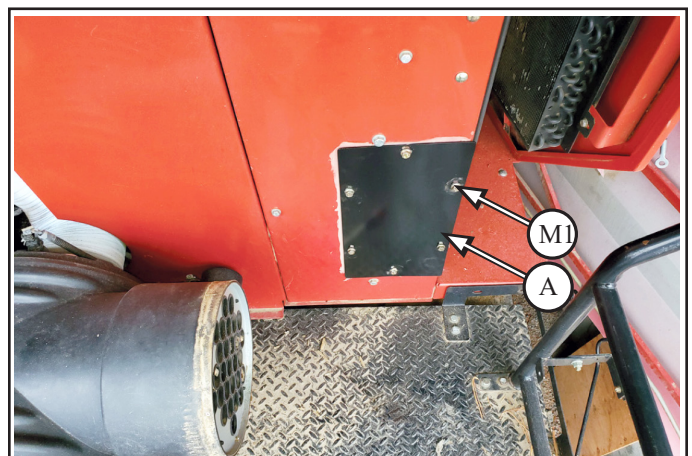


1.3 Clean surface of filter housing (**P**)
- ensure all tubes/openings (**P1**) are clear of debris and clean

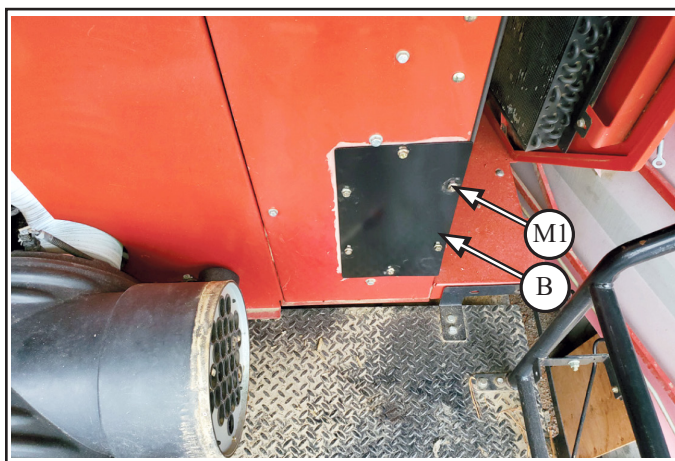


1.4 Install radiator blank off plate (**A**) over radiator hole,
with:
- reuse mount hardware (**M1**)

or



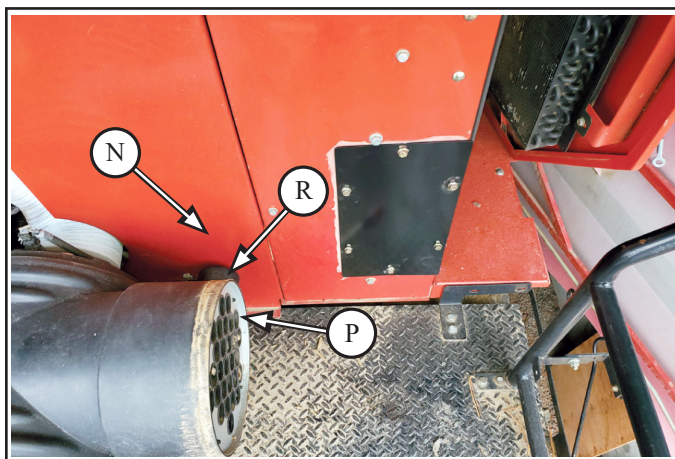
1.4.1 If combine has wrap around intake (**M**), install wrap around radiator blank off plate (**B**), with:
- reuse mount hardware (**M1**)



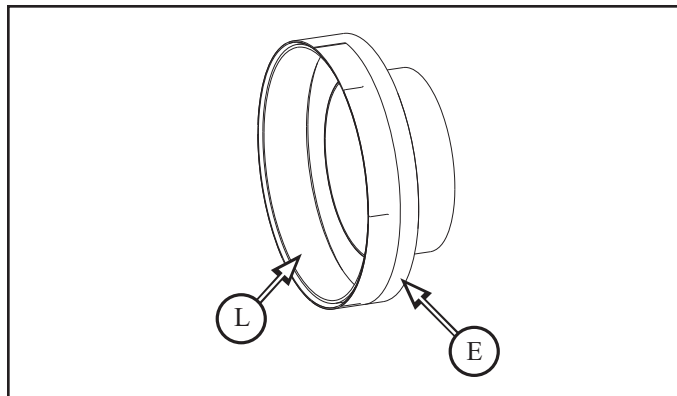
1.5 Remove small hose (**R**) between filter housing (**P**) and radiator cover

1.5.1 Clean inside of hose (**R**) of any debris

1.5.2 Reinstall hose (**R**)



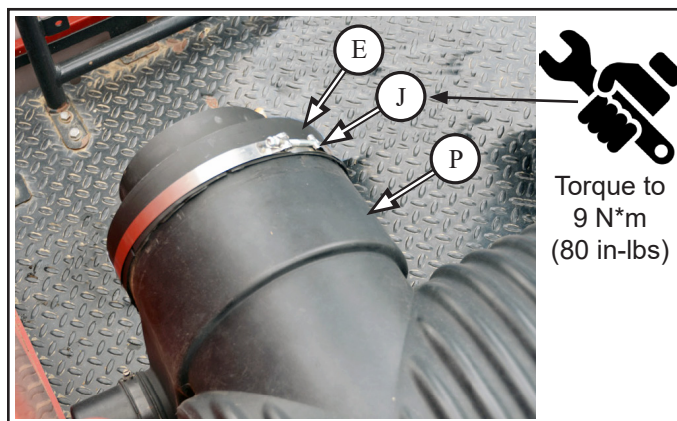
1.6 Apply supplied tile tape (**L**) to inside of adaptor (**E**)



1.7 Install adaptor (**E**) to filter housing (**P**)
- ensure this is a tight fit and there are no air leaks around adaptor
- apply tape around adaptor and housing if necessary to ensure seal

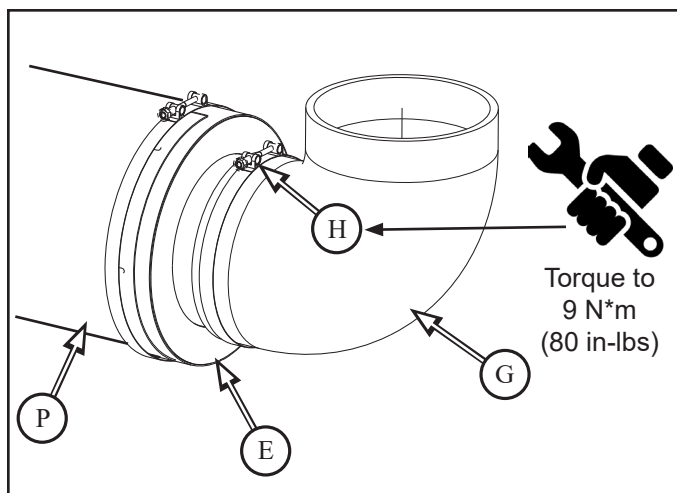
1.7.1 Secure adaptor (**E**) in place, with:
- hose clamp (**J**)
- ensure this is a tight fit and there are no air leaks around adaptor

1.7.1.1 Torque to 9 N*m (80 in-lbs)



1.8 Install rubber elbow (**G**) to adaptor (**E**), with:
- hose clamp (**H**)
- spray lubricant may be required

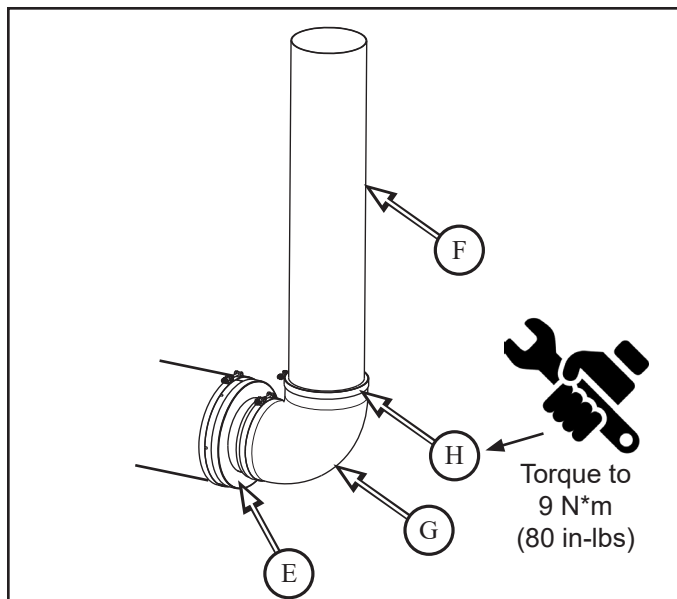
1.8.1 Torque to 9 N*m (80 in-lbs)



1.9 Install air intake tube (**F**) to elbow (**G**), with:

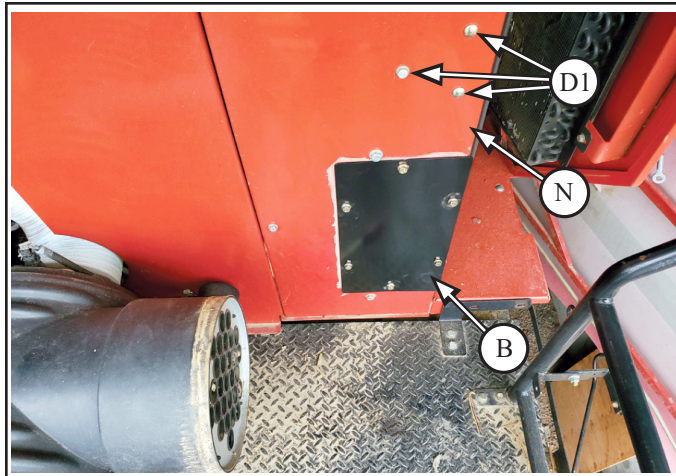
- hose clamp (**H**)
- spray lubricant may be required

1.9.1 Torque to 9 N*m (80 in-lbs)



1.10 Install mount bracket (**D**) to radiator cover (**N**) at location of 3 bolts above radiator blank off plate (**B**), with:
- remove and reuse hardware (**D1**) x3

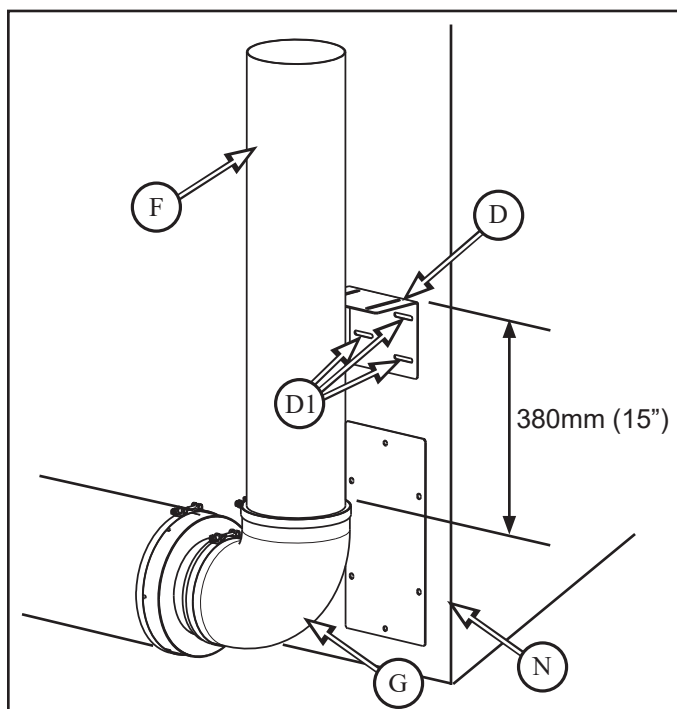
1.10.1 If your combine does not have these bolts/holes (**D1**), holes will have to be drilled



1.10.1.1 On filter housing (**N**) locate mount bracket (**D**) 380mm (15") above top edge of elbow (**G**) and centered behind air intake tube (**F**) and mark out hole (**D1**) to be drilled

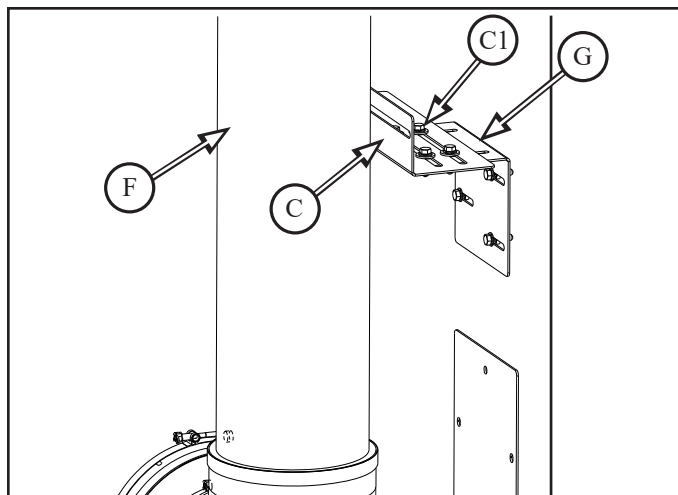
1.10.1.2 Drill 8.5mm (.33in) hole (**D1**) x3 at marked locations

- ensure there no components behind panel at this location that can be damaged by drilling/mounting, adjust location accordingly



1.11 Install support bracket (**C**) to top of mount bracket (**D**), with:

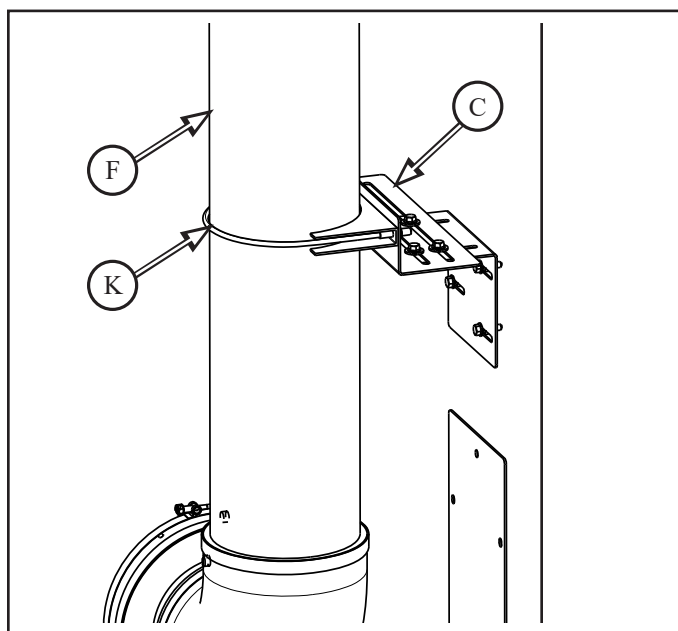
- M8 x 20 flange head bolt, flat washer and flange nut (**C1**) x4
- do not tighten at this time



1.12 Install hose clamp (**K**) around air intake tube (**F**) and secure to support bracket (**C**)

1.12.1 Align air intake tube (**F**) so that it is straight and centered

1.12.2 Tighten all hardware

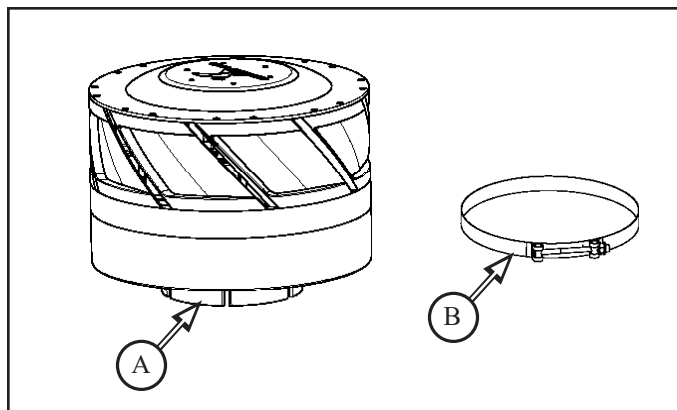


1.13 If equipped with the KAS Pre-cleaner, see section 2 of complete installation

2 KAS Pre-Cleaner Installation

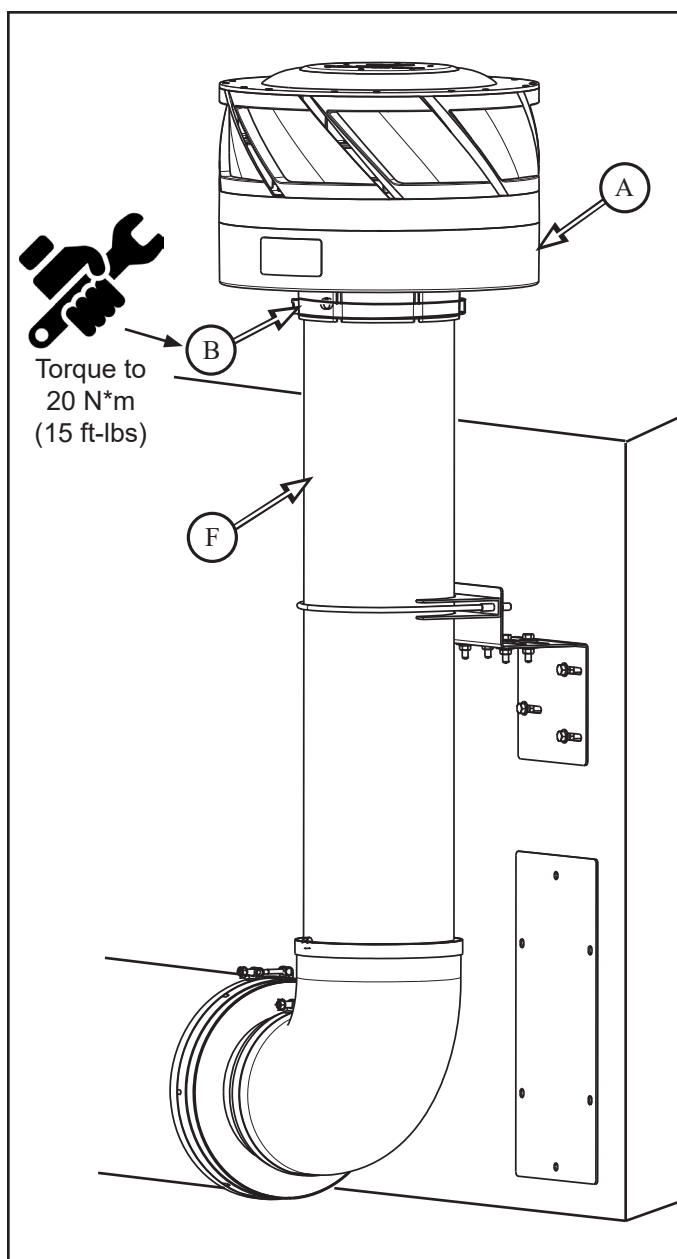
Parts List:

KA800A	KAS Pre-cleaner assembly 8in (A)	Qty 1
RP1535	Clamp T-Bolt Band 0.25 x 8.5 ID SS (B)	Qty 1



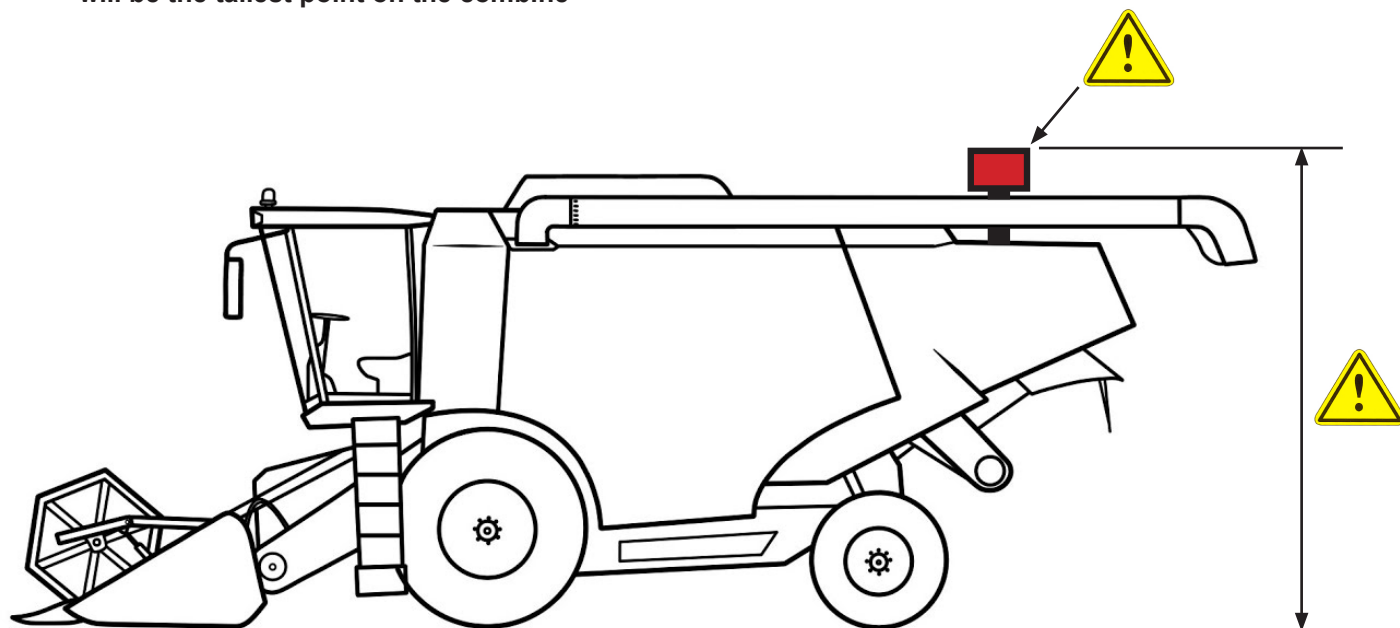
2.1 Install KAS Pre-cleaner assembly (A) on to intake tube (F), with:
- hose clamp (B)

2.1.1 Torque to 20 N*m (15 ft*lb)





CAUTION: When the grain tank extensions and the auger are folded down, the KAS Pre-cleaner will be the tallest point on the combine



Torque Table		
Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
- non flanged	25 / (18)	35 / (26)
M10 - flanged	54 / (40)	57 / (42)
- non flanged	49 / (36)	70 / (51)
M12 - flanged	93 / (69)	134 / (98)
- non flanged	85 / (63)	121 / (90)



REDEKOP MANUFACTURING

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