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MANIFOLD AND EXHAUST SYSTEM

FRONT PIPE

Remove and refit

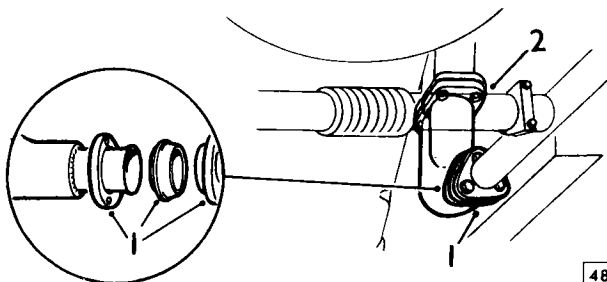
Left hand – 30.10.09
Right hand – 30.10.10

Removing

1. Remove nuts and bolts securing both halves of pipe clamp.
2. Remove nuts securing front pipe to exhaust manifolds, withdraw pipe.

Refitting

Reverse operations 1 and 2, use new sealing rings; **DO NOT** overtighten pipe clamp bolts.



4843

INTERMEDIATE PIPE

Remove and refit

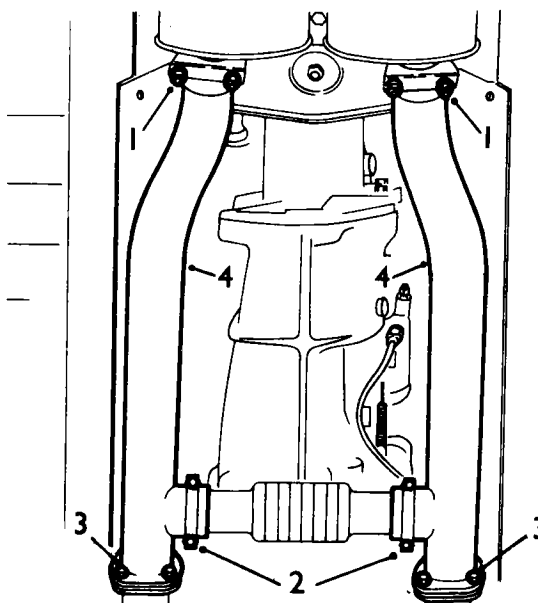
Left hand – 30.10.11
Right hand – 30.10.12

Removing

1. Remove intermediate pipe 'D' clamp securing nuts.
2. Remove balance pipe 'D' clamp securing nuts.
3. Remove nuts and bolts securing both halves of pipe clamp.
4. Withdraw intermediate pipe from balance pipe and silencer.

Refitting

Reverse operations 1 to 4, use a new sealing ring; **DO NOT** overtighten pipe clamp bolts.



4845

BALANCE PIPE

Remove and refit

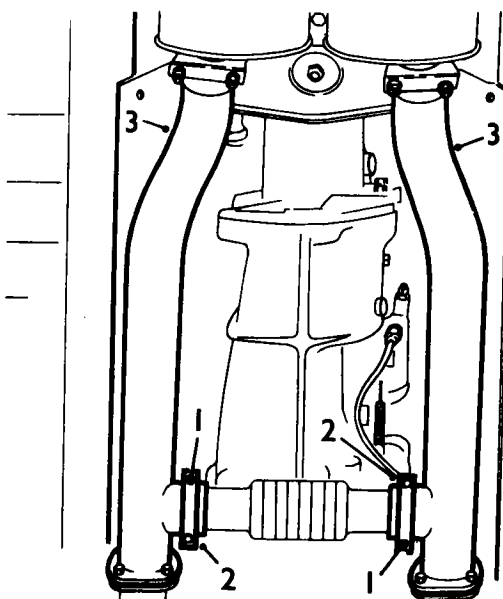
30.10.13

Removing

1. Remove 'D' clamp securing nuts.
2. Remove nuts and bolts securing both halves of each pipe clamp.
3. Withdraw intermediate pipes from balance pipe.

Refitting

Reverse operations 1 to 3, use new sealing rings; **DO NOT** overtighten pipe clamp bolts.



4844

30.10.09
30.10.13

SILENCER

Remove and refit

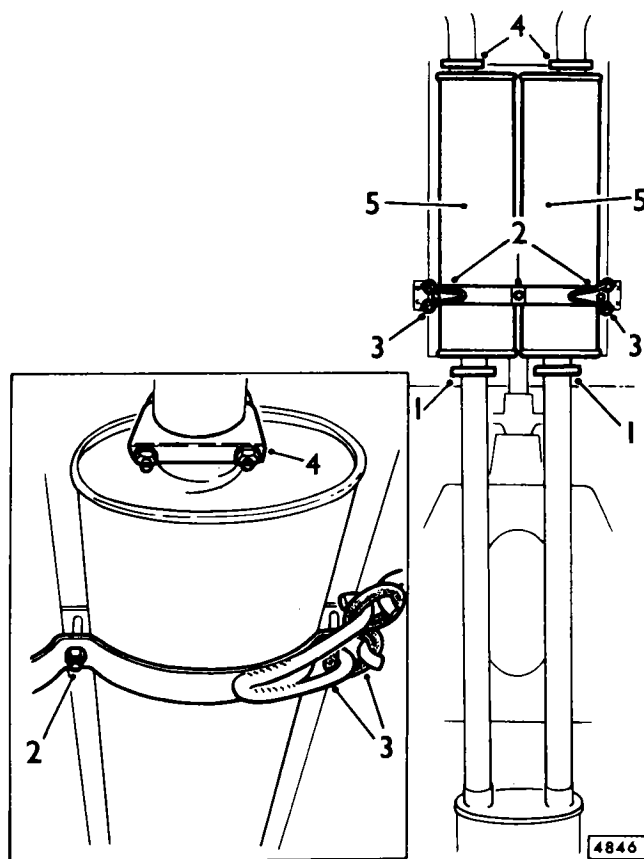
Left hand – 30.10.15
Right hand – 30.10.16

Removing

1. Remove tail pipes and rear silencer – 30.10.22.
2. Remove nuts and bolts securing lower half of silencer clamp to upper half.
3. Detach silencer clamp from rubber rings.
4. Remove 'D' clamp securing nuts.
5. Withdraw silencer from intermediate pipe.

Refitting

Reverse operations 1 to 5.



4846

REAR SILENCER AND TAIL PIPES

Remove and refit

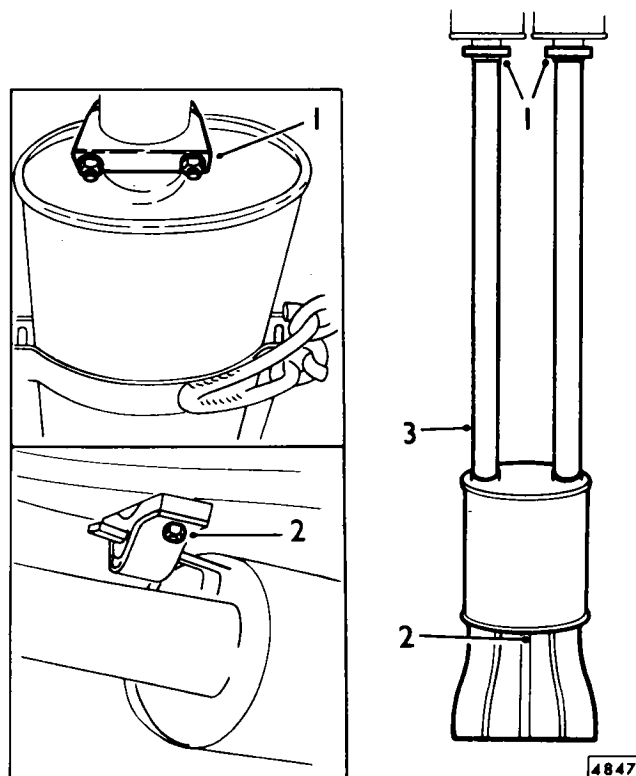
30.10.22

Removing

1. Remove 'D' clamp securing nuts.
2. Remove nuts securing rear mounting to lower rear panel.
3. Withdraw silencer and tail pipes.

Refitting

Reverse operations 1 to 3.



4847

EXHAUST TRIM

Remove and refit

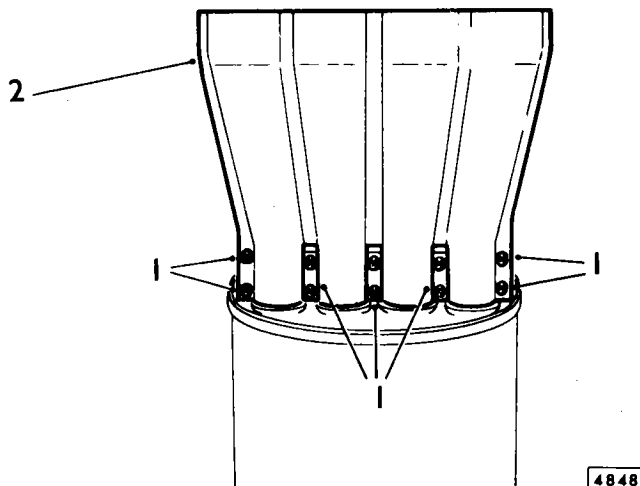
30.10.23

Removing

1. Remove nuts, bolts and distance pieces securing trim to silencer extension pipes.
2. Withdraw exhaust trim.

Refitting

Reverse operations 1 and 2.



SIDE HEAT SHIELD

Remove and refit

Left hand – 30.10.31

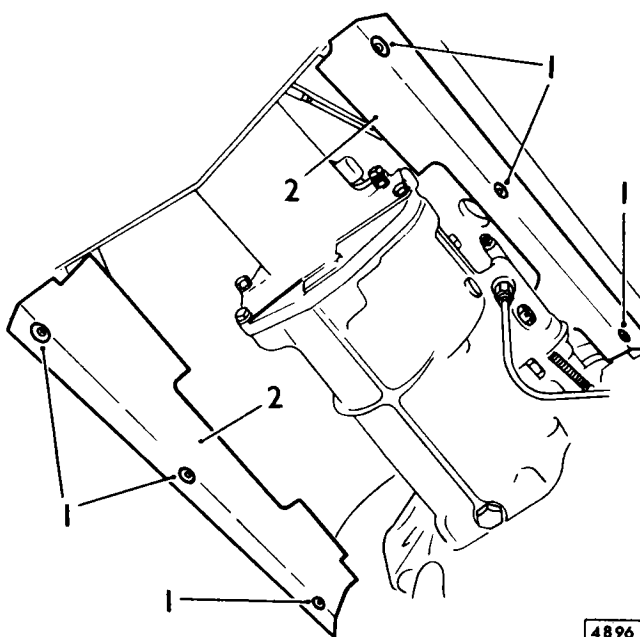
Right hand – 30.10.32

Removing

1. Remove screws and washers securing heat shield to floor pan.
2. Withdraw heat shield.

Refitting

Reverse operations 1 and 2.



SILENCER HEAT SHIELD

Remove and refit

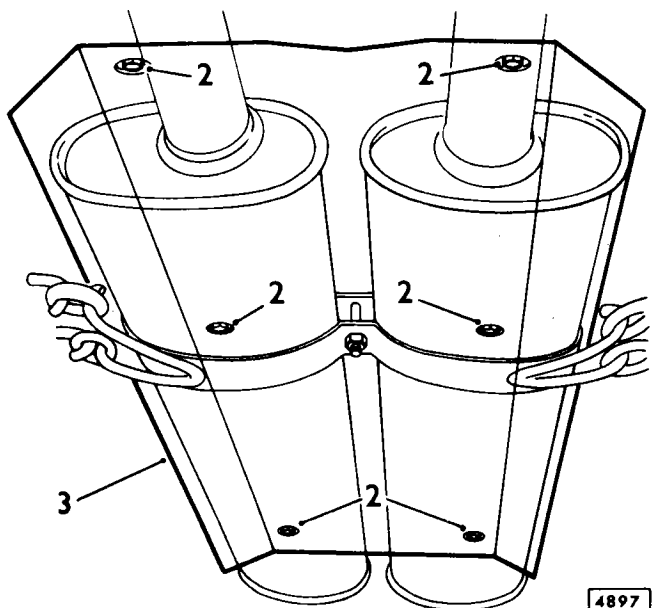
30.10.34

Removing

1. Remove exhaust system – 30.10.01.
2. Remove screws and washers securing heat shield to underside of floor pan.
3. Lower heat shield

Refitting

Reverse operations 1 to 3.



CAUTION: Whenever any of the operations contained within this group are carried out on cars fitted with exhaust emission control; it is essential that an exhaust emission check is carried out upon completion.

NOTE: To improve engine accessibility it is advantageous to place both front wheels on blocks of wood and disconnect the bonnet stay; this allows bonnet to hinge further forward. The blocks should be approximately 30.5 cm (12 in) long, 25.4 cm (10 in) wide and 15 cm (6 in) high. Ensure bonnet is adequately supported after disconnecting stay.

EXHAUST SYSTEM

Remove and refit

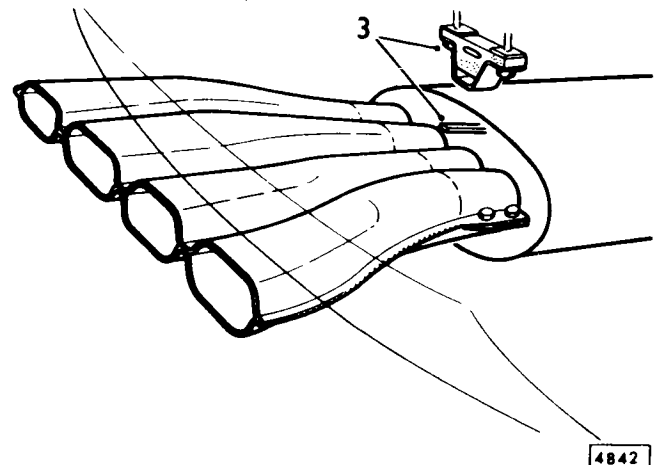
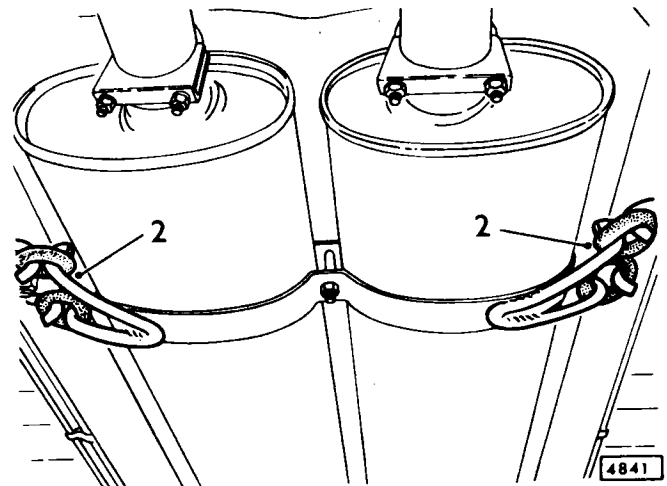
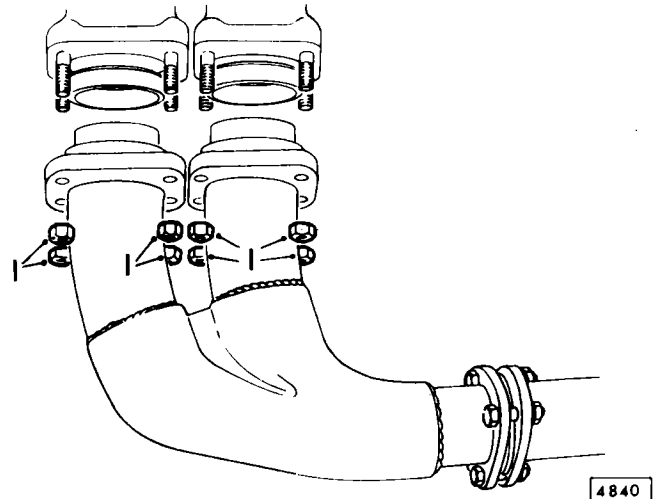
30.10.01

Removing

1. Remove nuts securing front pipes to exhaust manifolds.
2. Release rubber rings attaching silencer clamp to floor pan.
3. Lower system slightly and pull forward to disengage tongue from rear mounting bracket.

Refitting

Reverse operations 1 to 3; always use new rubber rings.



INDUCTION HOUSING

Remove and refit

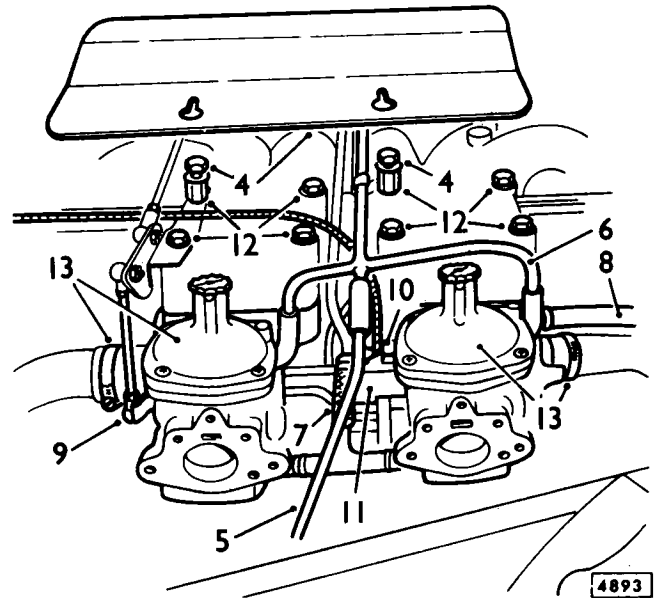
Right hand – 30.15.07

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Slacken off bolts securing heat shield to induction manifolds; lift off heat shield.
5. Disconnect carbon canister pipe from balance pipe.
6. Disconnect balance pipe from carburetters.
7. Remove clip securing fuel feed pipe to tee-piece.
8. Disconnect header tank hose from front of induction housing.
9. Disconnect carburetter linkage.
10. Release clip securing choke cable to bracket.
11. Disconnect choke cable from front carburetter.
12. Remove bolts and washers securing induction manifold to induction housing.
13. Disconnect pipes connecting water rails to induction housing; withdraw housing together with carburetters.
14. Remove gaskets and discard.

Refitting

Reverse operations 1 to 14; use new gaskets and fuel pipe clip.



EXHAUST MANIFOLD

Remove and refit

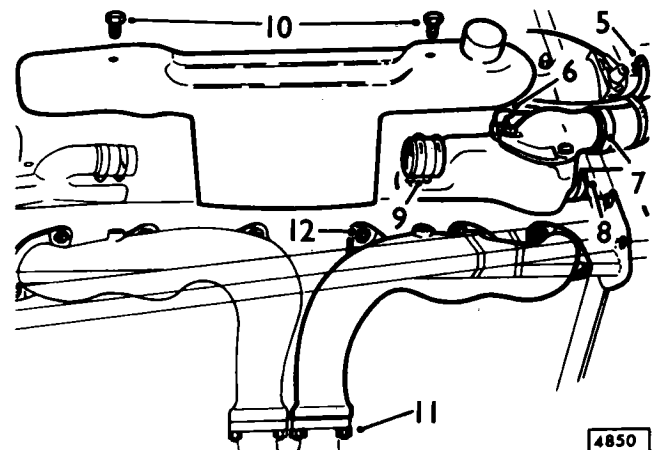
Front – Right hand – 30.15.11

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Remove right hand induction housing – 30.15.07.
5. Release clip securing header tank hose.
6. Disconnect wire from water temperature transmitter.
7. Slacken clip and remove top radiator hose from thermostat housing.
8. Slacken clip and remove water pump hose from thermostat housing.
9. Remove bolts securing thermostat housing to cylinder head.
10. Remove bolts securing heat shield to exhaust manifolds.
11. Remove nuts securing front pipe to exhaust manifold.
12. Remove nuts securing exhaust manifold to cylinder head, lift manifold off studs.

Refitting

Reverse operations 1 to 12; use new manifold and thermostat housing gaskets.



INDUCTION MANIFOLD

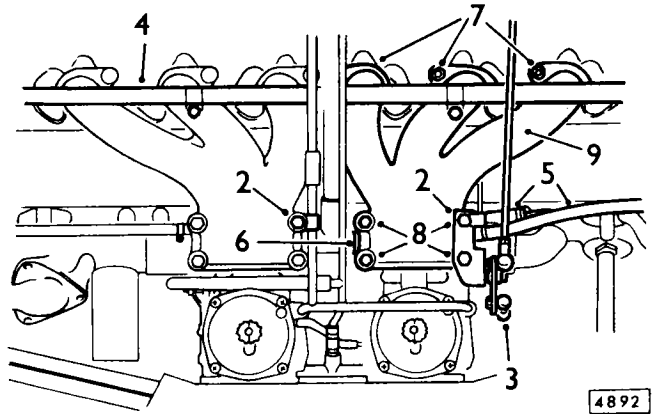
Remove and refit **Rear – Left hand – 30.15.03/2**

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Slacken off bolts securing heat shield to induction manifolds; lift off heat shield.
3. Disconnect carburettor linkage.
4. Remove air rail – Cars fitted with exhaust emission control only – 17.25.17.
5. Disconnect vacuum hose from induction manifold; two hoses are fitted on cars having exhaust emission control.
6. Release clip securing manifold balance pipe hose to induction manifold.
7. Remove nuts and washers securing manifold to cylinder head.
8. Remove bolts and washers securing manifold to induction housing, noting position of vacuum pipe clip.
9. Lift off manifold.
10. Remove gaskets and discard.
11. Plug holes in cylinder head to prevent ingress of dirt; etc.

Refitting

Reverse operations 1 to 11; use new gaskets and balance pipe hose clip.



INDUCTION HOUSING

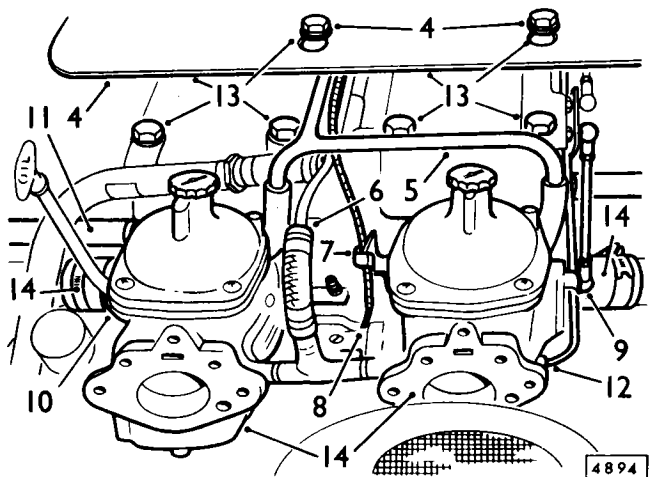
Remove and refit **Left hand – 30.15.06**

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Slacken off bolts securing heat shield to induction manifolds; lift off heat shield.
5. Disconnect balance pipe from carburettors.
6. Remove clip securing fuel feed pipe to tee-piece.
7. Release clip securing choke cable to bracket.
8. Disconnect choke cable from rear carburettor.
9. Disconnect carburettor linkage.
10. Remove nut and bolt retaining dipstick tube clip.
11. Disconnect header tank hose from front of induction housing.
12. Disconnect vacuum pipe from bottom of rear carburettor flange.
13. Remove bolts and washers securing induction manifolds to induction housing.
14. Disconnect pipes joining water rails to induction housing; withdraw housing together with carburettors.
15. Remove gaskets and discard.

Refitting

Reverse operations 1 to 15; use new gaskets and fuel feed pipe clip.

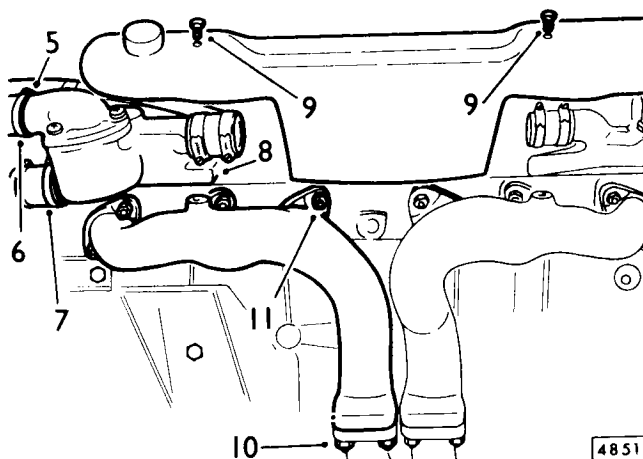


EXHAUST MANIFOLD

Remove and refit Front – Left hand – 30.15.10

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Remove left hand induction housing – 30.15.06.
5. Release clip securing header tank hose.
6. Slacken clip and remove top radiator hose from thermostat housing.
7. Slacken clip and remove water pump hose from thermostat housing.
8. Remove bolts securing thermostat housing to cylinder head.
9. Remove bolts securing heat shield to exhaust manifolds.
10. Remove nuts securing front pipe to exhaust manifold.
11. Remove nuts securing exhaust manifold to cylinder head, lift manifold off studs.



Refitting

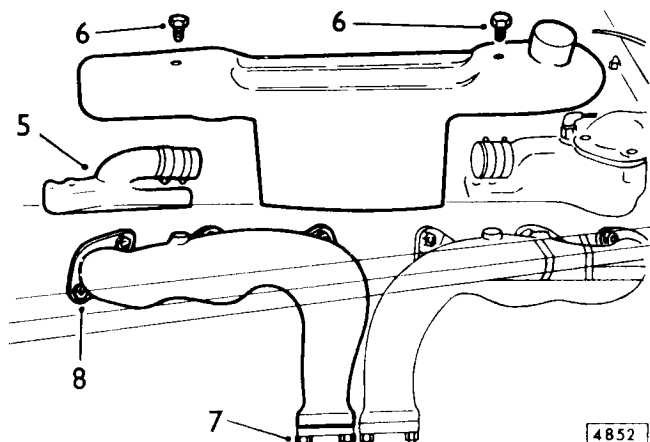
Reverse operations 1 to 11; use new manifold and thermostat housing gaskets.

EXHAUST MANIFOLD

Remove and refit Rear – Right hand – 30.15.11/1

Removing

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Remove right hand induction housing – 30.15.07.
5. Remove bolts securing water rail to cylinder head.
6. Remove bolts securing heat shield to exhaust manifolds.
7. Remove nuts securing front pipe to exhaust manifold.
8. Remove nuts securing exhaust manifold to cylinder head, lift manifold off studs.



Refitting

Reverse operations 1 to 8; use new manifold and water rail gaskets.

EXHAUST MANIFOLD**Remove and refit****Rear – Left hand – 30.15.10/1****Removing**

1. Disconnect battery earth lead – 86.15.19.
2. Drain cooling system – 26.10.01.
3. Remove air cleaner – 19.10.01.
4. Remove left hand induction housing – 30.15.06.
5. Disconnect heater pipe from water rail.
6. Remove bolts securing water rail to cylinder head.
7. Remove bolts securing heat shield to exhaust manifolds.
8. Remove nuts securing front pipe to exhaust manifold.
9. Remove nuts securing exhaust manifold to cylinder head, lift manifold off studs.

Refitting

Reverse operations 1 to 8; use new manifold and water rail gaskets.

