

sector 111

QWkcans Install

Rev. B Page 1 of 8

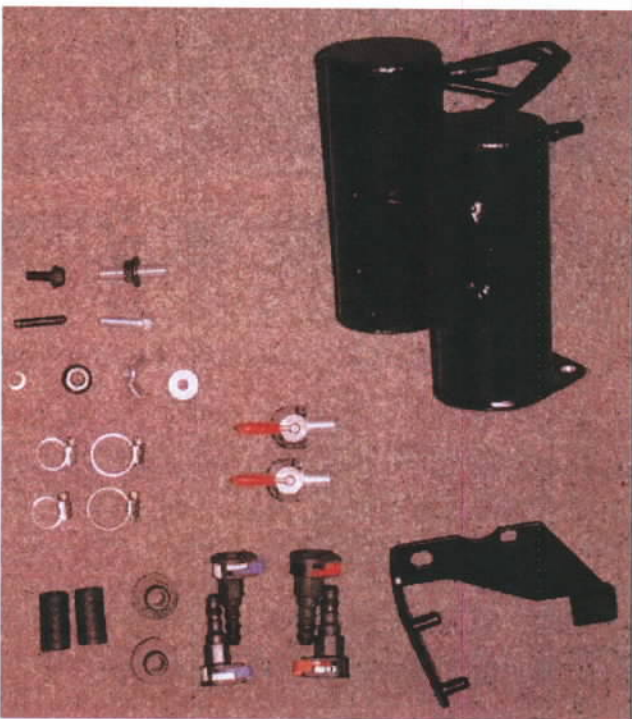
READ FITTING INSTRUCTIONS IN FULL BEFORE INSTALLATION

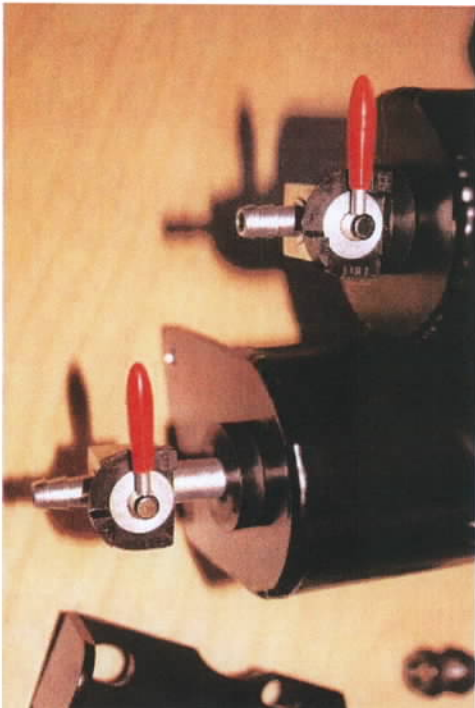

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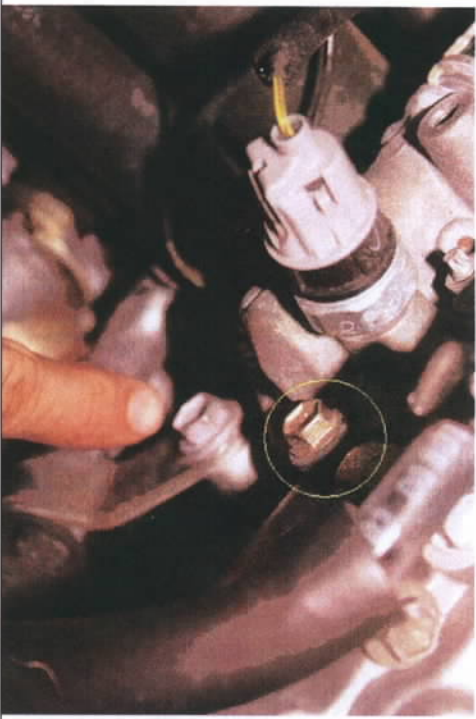

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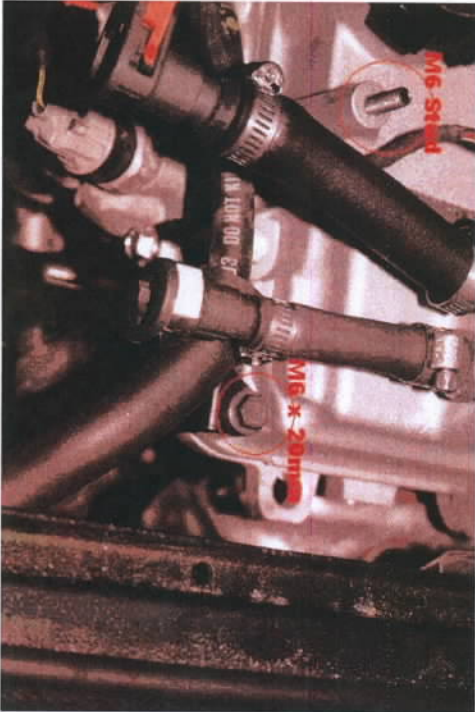
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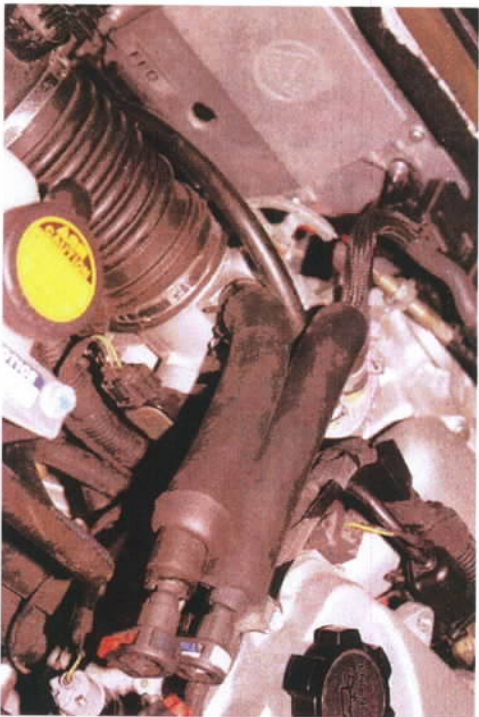
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<p>1. Verify the following items are in your kit:</p> <ul style="list-style-type: none">○ 1 QWkcans○ Bottom bracket○ 1 M6x1.00x30mm stud○ 1 M6 wing nut○ 1 M6 lock washer○ 1 M6 Fender washer○ 1 M6x1.00x20mm Bolt○ 1 M6x1.00x25mm Bolt○ 1 M8x1.25 Stud with locked nut○ 1 M8x1.25 Flanged nut○ 2 5/16inch Quick Connectors○ 2 3/8inch Quick Connectors○ 2 3/8" sleeves○ 2 7/8"" hose clamps○ 2 5/8" hose clamps	<p>Tools needed for this install:</p> <ul style="list-style-type: none">○ Ratchet○ 10mm Socket○ 12mm Socket○ Pliers or spring clamp pliers○ 3mm Allen wrench○ Flathead screwdriver or 1/4" nut driver○ Hose cutter or utility knife○ Torque wrenches (in-lbs and ft-lbs)	
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Instructions	Tools/ Parts	Picture/ Illustration
<ol style="list-style-type: none"> 2. Insert drain fitting grommets into each base of QWkcans 3. Insert ¼ turn drains into grommets <ul style="list-style-type: none"> ○ Use a little oil to lube the drain to make pressing into the grommet easier ○ Large side of Drain is inserted into QWkcans 		
<ol style="list-style-type: none"> 4. Remove Stock PCV hoses from head side (as pictured) and from Intake and throttle 	<ul style="list-style-type: none"> ○ Pliers or spring clamp pliers 	

Instructions	Tools/ Parts	Picture/ Illustration
<p>5. Remove M8 Bolt from Thermostat housing holding lower line bracket (see finger)</p> <ul style="list-style-type: none">○ This bolt will be replaced with a long stud <p>6. Remove M6 bolt from housing just above 12mm bolt seen in Picture (circled)</p> <ul style="list-style-type: none">○ This bolt will be replaced later by a M6x25mm	<ul style="list-style-type: none">○ Ratchet○ 10mm Socket○ 12mm Socket	
<p>7. Install M8 stud into housing from Step 6</p> <ul style="list-style-type: none">○ torque to 18 ft-lbs	<ul style="list-style-type: none">○ Ratchet○ 12mm Socket	

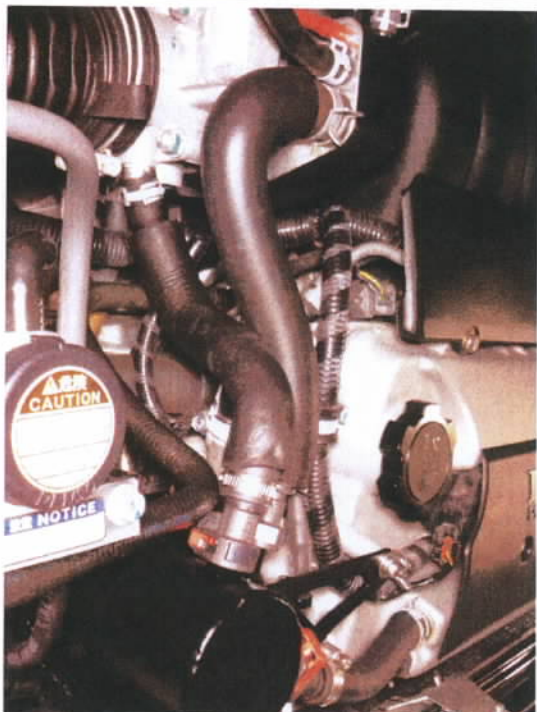

Instructions	Tools/ Parts	Picture/ Illustration
<p>8. Install Bottom Bracket by slipping over M8 Stud</p> <ul style="list-style-type: none"> ○ Screw in flange nut over stud ○ torque to 18ft-lbs ○ insert M6x25mm bolt and screw-into thermostat housing ○ torque to 5ft-lbs or 60in-lbs 	<ul style="list-style-type: none"> ○ Ratchet ○ 10mm Socket ○ 12mm Socket 	
<p>9. Install M6x20mm bolt into Open hole on top corner of head</p> <ul style="list-style-type: none"> ○ Torque to 8ft-lbs or 96in-lbs <p>10. Install M6 Stud into hole near oil cap on head</p> <ul style="list-style-type: none"> ○ Serviceable Thread lock is recommended ○ Torque to 5ft-lbs or 60in-lbs 	<ul style="list-style-type: none"> ○ Ratchet ○ 10mm Socket ○ 3mm Allen wrench 	


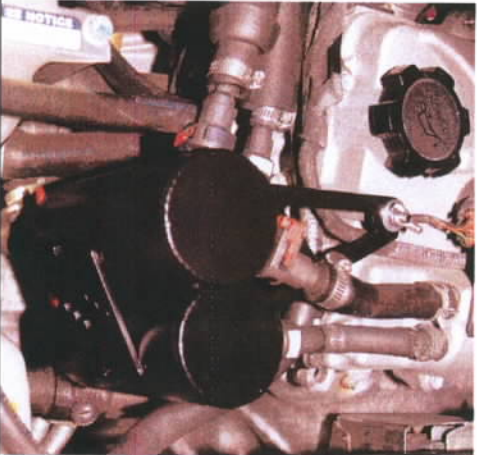
Instructions	Tools/ Parts	Picture/ Illustration
<p>11. Place QWkcans onto M6 Stud and Bottom Bracket</p> <ul style="list-style-type: none"> Note how QWkcans slip onto 2 pins in Bottom Bracket 		
<p>12. Reinstall PCV hoses on throttle side without clamp</p> <ul style="list-style-type: none"> Note flared end of hoses 	<ul style="list-style-type: none"> Hose cutter or utility knife 	
<p>13. Hoses need to be cut for proper attachment to QWkcans</p> <ul style="list-style-type: none"> Approx. 9.5" from throttle body and intake fittings to QWkcans Approx. 3" for the 5/16" hose that goes from head to QWkcans Approx. 4.5" for 3/8" hose that goes from head to QWkcans <p>Remember the old adage: Measure twice and cut once!</p>		

Instructions

Tools/ Parts

Picture/ Illustration

<p>14. On 07 and newer Lotus's the throttle body is Drive By Wire. The PCV hoses are routed differently as shown in picture</p>		
<p>15. Insert Red 3/8" Quick Connectors into supplied 3/8" sleeves</p> <p>16. Insert Hose Clamps over PCV hoses</p> <p>17. Take sleeved Quick Connectors and insert into PCV hoses</p> <ul style="list-style-type: none">○ Picture shows sleeved Quick Connector pressed into hose○ Large PCV hose uses 3/8" Quick connect (red)○ Small PCV hose uses 5/16" quick connect (blue) <p>18. Clamp sleeved connects into pcv hoses using supplied hose clamps</p>	<ul style="list-style-type: none">○ Flathead screwdriver or 1/4" nut driver	

Instructions	Tools/ Parts	Picture/ Illustration
<ol style="list-style-type: none"> 19. Install PVC hoses to throttle side with spring clamps and press Quick Connectors onto QWkcans 20. Install PVC hoses to head side with spring clamps and press Quick Connectors onto QWkcans 21. Place connected QWkcans onto lower bracket and stud and install fender washer lock washer and wing nut <ul style="list-style-type: none"> o Tighten by hand 		 

Instructions	Tools/ Parts	Picture/ Illustration
<p>22. Color tabs are locks and need to be in the out position when Quick Connectors are being pushed onto QWKCans. When Quick Connectors clicks, press colored tabs to lock in place.</p> <ul style="list-style-type: none"> ○ Picture shows: <ol style="list-style-type: none"> 1. Red in lock position 2. Blue is unlocked <p>23. To remove push both side tabs of locks out from connector then press button and pull away from QWKCans</p> <p>24. Quick Connectors from head to QWKCans should be positioned so locks are 90 degrees from upper bracket for ease of installation and removal</p> <ul style="list-style-type: none"> ○ See picture in previous step 		