

Necessary pipe plugs are included.

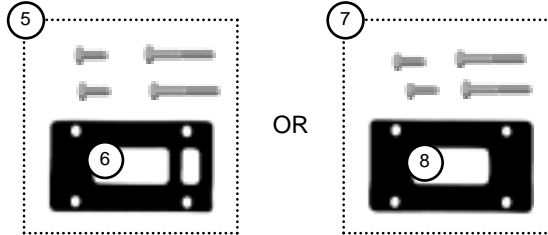
OSCO

**GM V6, 3.8 LITER
229 cu.in.**

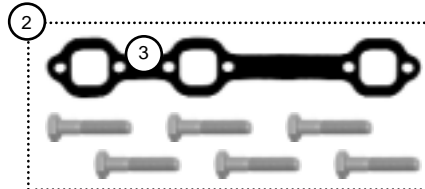


IMPORTANT NOTE ABOUT THE CRR-2-G RISER GASKET:

The installer must place the small rectangular hole of the gasket at the front of the riser, opposite the exhaust outlet end, as shown to the right. This directs the water over the top of the riser for maximum cooling.



See page 77 for plumbing suggestions.



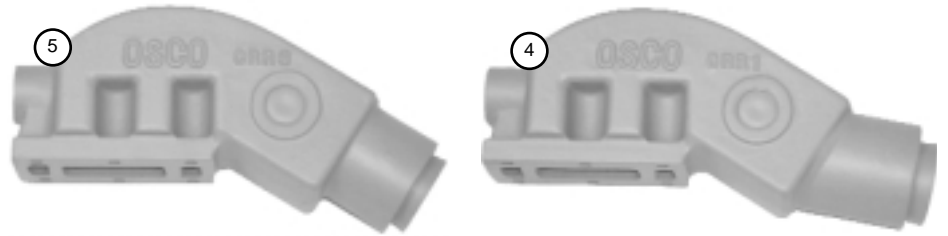
1. **CSCR618** **Manifold.** Fits 229 cu.in. GM V6 engines. Fits both sides of engine. Use mounting kit CSCR-MK. CSCR618 manifold can be used on 4.3 GM engines but may need CS-58 spacer and CS58-MK mounting kit to clear valve cover. See page 42 for spacer and mounting kit information.
2. **CSCR-MK** **Mounting Kit,** manifold. Fits CSCR618 manifold. Includes CS-GH gasket and mounting hardware.
3. **CS-GH** **Gasket,** manifold to cylinder head. Included in CSCR-MK.
4. **CRR-2** **Riser,** 3" exhaust outlet, 10° down angle. Use mounting kit CRR-2-MK or CRR-2-MK-FW.
5. **CRR-2-MK** **Mounting Kit,** riser. Fits CRR-2 riser. For raw water cooled manifolds. Includes CRR-2-G gasket and mounting hardware.
6. **CRR-2-G** **Gasket,** riser to manifold. Allows cooling water to pass from manifold to riser. Included in CRR-2-MK.
7. **CRR-2-MK-FW** **Mounting Kit,** riser. Fits CRR-2 riser. For closed cooled or recirculated manifolds. Includes CRR-2-G-FW gasket and mounting hardware.
8. **CRR-2-G-FW** **Gasket,** riser to manifold. Blocks cooling water from passing from manifold to riser. Included in CRR-2-MK-FW.
9. **F68C9** **Water Fitting,** 90° elbow. 3/4" MPT x 1" hose barb.
10. **F68CS** **Water Fitting,** straight. 3/4" MPT x 1" hose barb.
11. **F66CS** **Water Fitting,** straight. 3/4" MPT x 3/4" hose barb.



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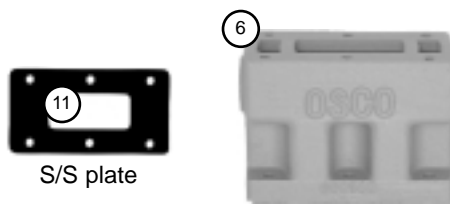
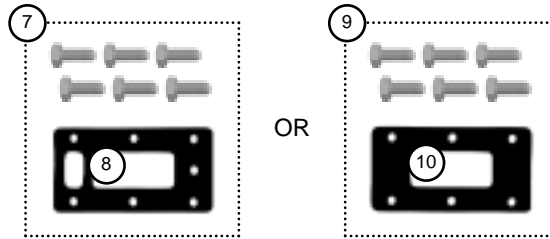
FORD Small Block V8
221, 255, 260, 289,
302 and 351 cu.in.

Necessary pipe plugs are included.

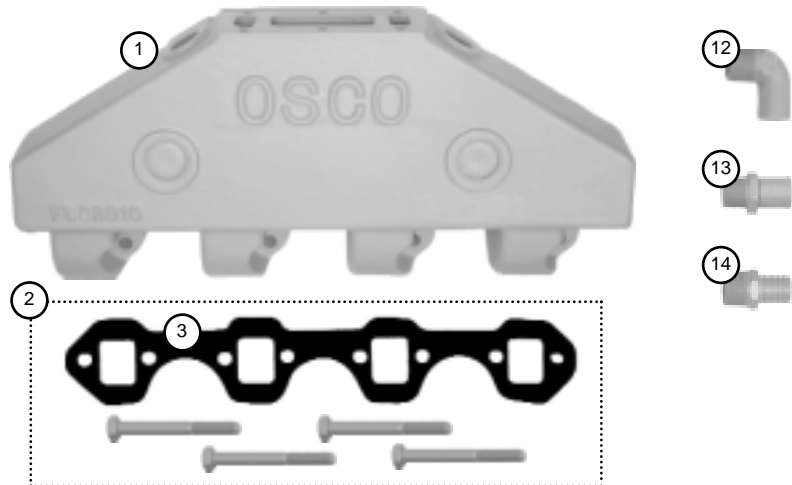


IMPORTANT NOTE ABOUT THE CRR-G RISER GASKET:

The installer must place the small rectangular hole of the gasket at the front of the riser, opposite the exhaust outlet end, as shown to the right. This directs the water over the top of the riser for maximum cooling.



S/S plate



When using the CRR-14S spacer see page 77 for correct gasket placement and plumbing suggestions.

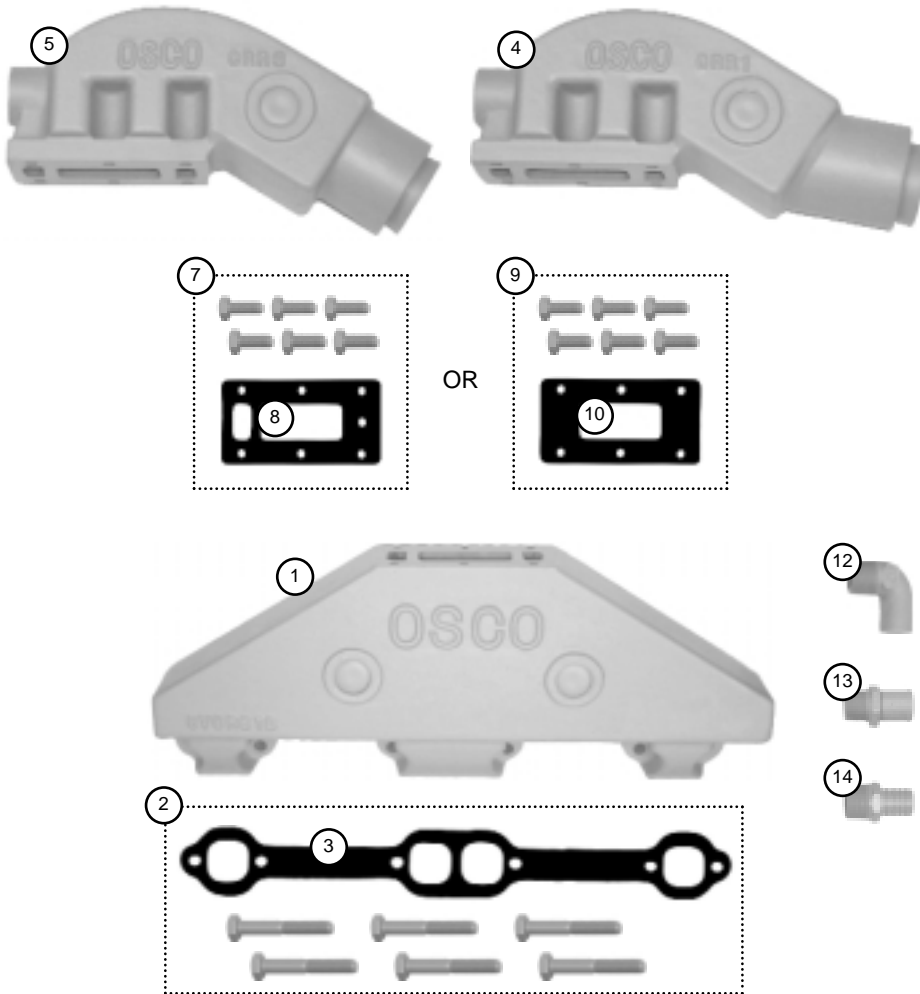
- 1. **FLCR818** **Manifold.** Fits 221, 255, 260, 289, 302 and 351 cu.in. Ford small block V8 engines. Fits both sides of engine. Use mounting kit FLCR-MK.
- 2. **FLCR-MK** **Mounting Kit,** manifold. Fits FLCR818 manifold. Includes FL-GH gasket and mounting hardware.
- 3. **FL-GH** **Gasket,** manifold to cylinder head. Included in FLCR-MK.
- 4. **CRR-1** **Riser,** 3" exhaust outlet, 10° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 5. **CRR-3** **Riser,** 3" exhaust outlet, 30° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 6. **CRR-14S** **Spacer,** 4". Use mounting kit CRR-MK or CRR-MK-FW. Risers will need their own mounting kit.
- 7. **CRR-MK** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For raw water cooled manifolds. Includes CRR-G gasket and mounting hardware.
- 8. **CRR-G** **Gasket,** riser and spacer to manifold. Allows cooling water to pass from manifold to riser or spacer. Included in CRR-MK.
- 9. **CRR-MK-FW** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For closed cooled or recirculated manifolds. Includes CRR-G-FW gasket and mounting hardware.
- 10. **CRR-G-FW** **Gasket,** riser to manifold. Blocks cooling water from passing from manifold to riser or spacer. Included in CRR-MK-FW.
- 11. **CRR-G-SP** **Stainless Plate.** Use with two CRR-G gaskets. Blocks water flow from manifold to riser or spacer.
- 12. **F68C9** **Water Fitting,** 90° elbow. 3/4" MPT x 1" hose barb.
- 13. **F68CS** **Water Fitting,** straight. 3/4" MPT x 1" hose barb.
- 14. **F66CS** **Water Fitting,** straight. 3/4" MPT x 3/4" hose barb.



Necessary pipe plugs are included.

OSCO

**GM Small Block V8
265, 283, 305, 307, 327,
350, and 400 cu.in.**



IMPORTANT NOTE ABOUT THE CRR-G RISER GASKET:

The installer must place the small rectangular hole of the gasket at the front of the riser, opposite the exhaust outlet end, as shown to the far left. This directs the water over the top of the riser for maximum cooling.

When using the CRR-14S spacer see page 77 for correct gasket placement and plumbing suggestions.

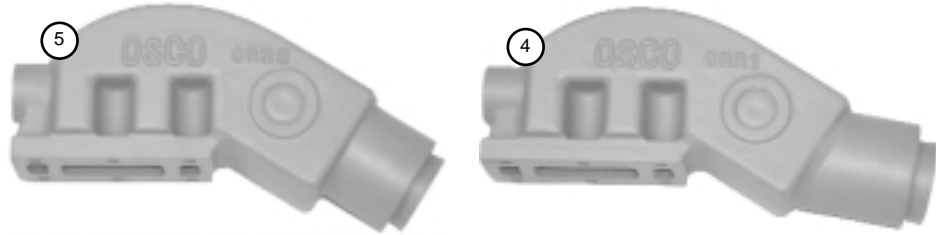
- 1. **CVCR818** **Manifold.** Fits 265, 283, 305, 307, 327, 350 and 400 cu.in. GM small block V8 engines. Fits both sides of engine. Use mounting kit CVCR-MK.
- 2. **CVCR-MK** **Mounting Kit,** manifold. Fits CVCR818. Includes CV-GH gasket and mounting hardware.
- 3. **CV-GH** **Gasket,** manifold to cylinder head. Included in CVCR-MK.
- 4. **CRR-1** **Riser,** 3" exhaust outlet, 10° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 5. **CRR-3** **Riser,** 3" exhaust outlet, 30° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 6. **CRR-14S** **Spacer,** 4". Use mounting kit CRR-MK or CRR-MK-FW. Risers will require their own mounting kit.
- 7. **CRR-MK** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For raw water cooled manifolds. Includes CRR-G gasket and mounting hardware.
- 8. **CRR-G** **Gasket,** riser and spacer to manifold. Allows cooling water to pass from manifold to riser or spacer. Included in CRR-MK.
- 9. **CRR-MK-FW** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For closed cooled or recirculated manifolds. Includes CRR-G-FW gasket and mounting hardware.
- 10. **CRR-G-FW** **Gasket,** riser to manifold. Blocks cooling water from passing from manifold to riser or spacer. Included in CRR-MK-FW.
- 11. **CRR-G-SP** **Stainless Plate.** Use with two CRR-G gaskets. Blocks water flow from manifold to riser or spacer.
- 12. **F68C9** **Water Fitting,** 90° elbow. 3/4" MPT x 1" hose barb.
- 13. **F68CS** **Water Fitting,** straight. 3/4" MPT x 1" hose barb.
- 14. **F66CS** **Water Fitting,** straight. 3/4" MPT x 3/4" hose barb.



OSCO

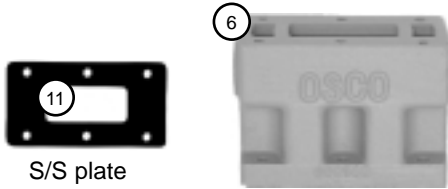
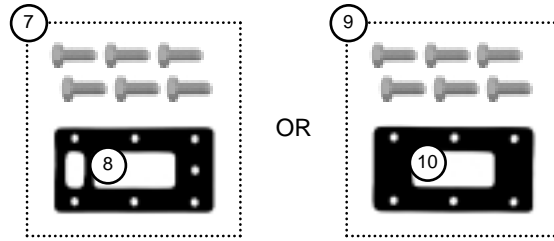
**GM Big Block V8
396, 427 and 454 cu.in.**

Necessary pipe plugs are included.

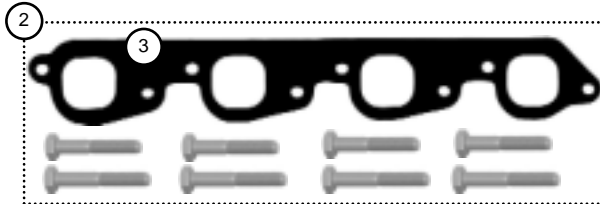


IMPORTANT NOTE ABOUT THE CRR-G RISER GASKET:

The installer must place the small rectangular hole of the gasket at the front of the riser, opposite the exhaust outlet end, as shown to the right. This directs the water over the top of the riser for maximum cooling.



S/S plate



When using the CRR-14S spacer see page 77 for correct gasket placement and plumbing suggestions.

- 1. **CWCR818** **Manifold.** Fits 396, 427 and 454 cu.in. GM big block V8 Engines. Fits both sides of engine. Use mounting kit CWCR-MK.
- 2. **CWCR-MK** **Mounting Kit,** manifold. Fits CWCR818 manifold. Includes CW-GH gasket and mounting hardware.
- 3. **CW-GH** **Gasket,** manifold to cylinder head. Included in CWCR-MK.
- 4. **CRR-1** **Riser,** 3" exhaust outlet. 10° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 5. **CRR-3** **Riser,** 3" exhaust outlet. 30° down angle. Use mounting kit CRR-MK or CRR-MK-FW.
- 6. **CRR-14S** **Spacer,** 4". Use mounting kit CRR-MK or CRR-MK-FW. Risers will need their own mounting kit.
- 7. **CRR-MK** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For raw water cooled manifolds. Includes CRR-G gasket and mounting hardware.
- 8. **CRR-G** **Gasket,** riser and spacer to manifold. Allows cooling water to pass from manifold to riser or spacer. Included in CRR-MK.
- 9. **CRR-MK-FW** **Mounting Kit,** risers and spacer. Fits CRR-1 and CRR-3 risers and CRR-14S spacer. For closed cooled or recirculated manifolds. Includes CRR-G-FW gasket and mounting hardware.
- 10. **CRR-G-FW** **Gasket,** riser to manifold. Blocks cooling water from passing from manifold to riser or spacer. Included in CRR-MK-FW.
- 11. **CRR-G-SP** **Stainless Plate.** Use with two CRR-G gaskets. Blocks water flow from manifold to riser or spacer.
- 12. **F68C9** **Water Fitting,** 90° elbow. 3/4" MPT x 1" hose barb.
- 13. **F68CS** **Water Fitting,** straight. 3/4" MPT x 1" hose barb.
- 14. **F66CS** **Water Fitting,** straight. 3/4" MPT x 3/4" hose barb.



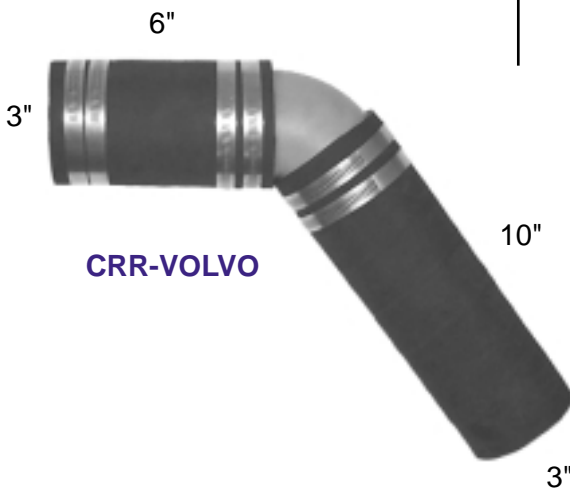
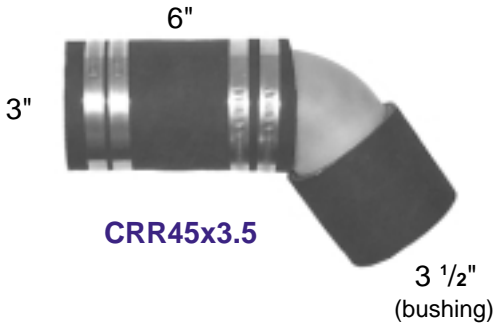
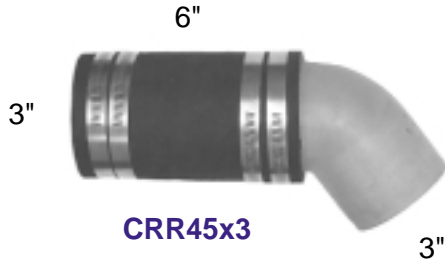
Sold individually

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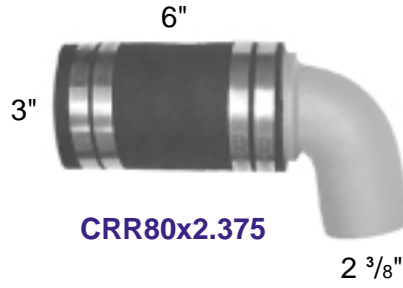
**Cast Iron Elbow and
hose adapter kits.**

Elbows and other exhaust connections also sold separately. See pages 58 and 59.

45°

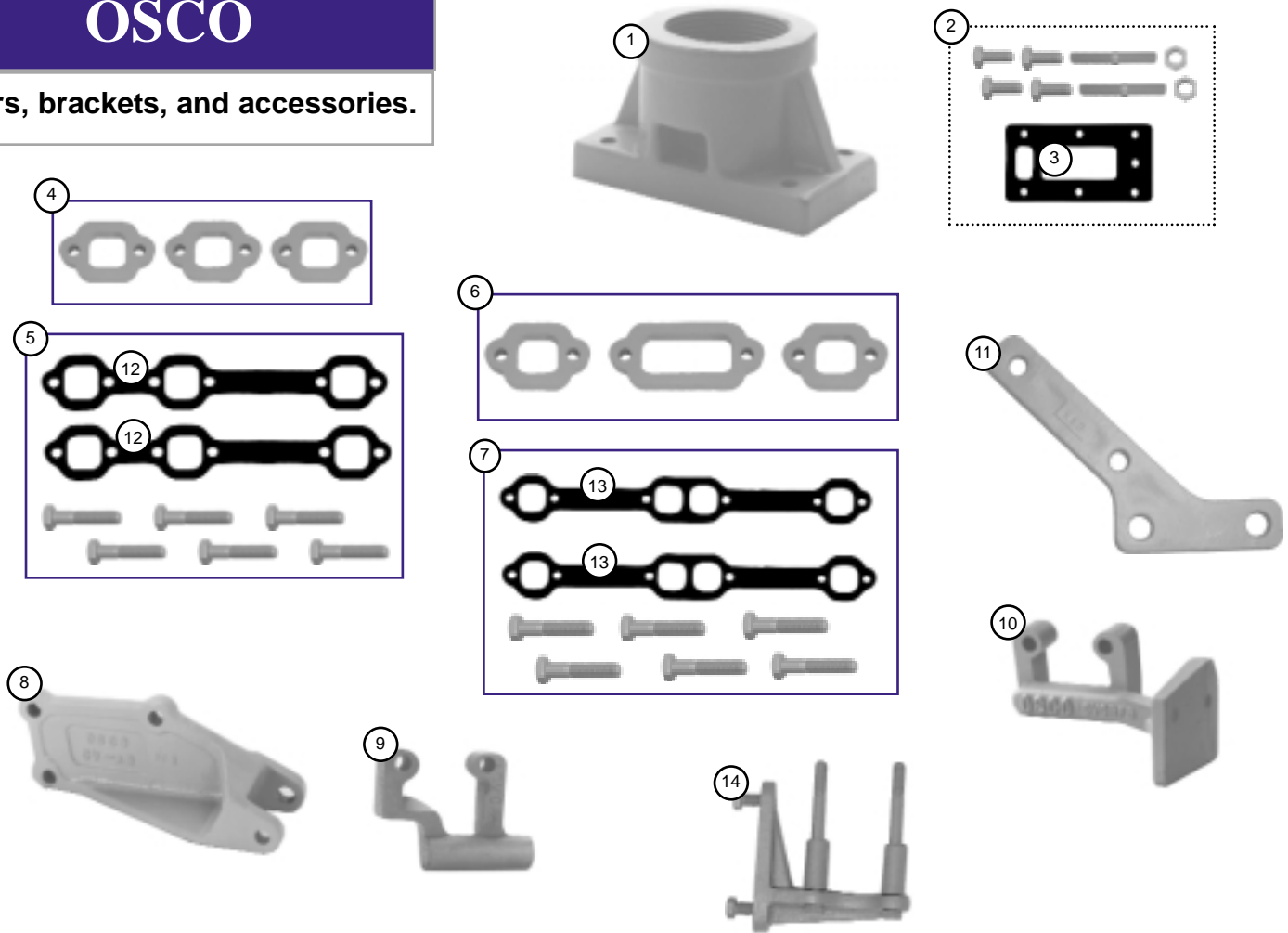


80°



0°





- 1. **CRR-E** **Threaded Flange.** Fits OSCO #'s CVCR818, CWCR818, and FLCR818. Accepts 2½" threaded pipe for dry stack exhaust. Use mounting kit CRR-E-MK.
- 2. **CRR-E-MK** **Mounting Kit,** threaded flange. Fits CRR-E. Includes CRR-G gasket and mounting hardware.
- 3. **CRR-G** **Gasket,** riser to manifold. Included in CRR-E-MK.
- 4. **CS-58** **Spacer,** manifold (3 pieces). ⅝" thick. Fits small block GM V6 manifolds. Use mounting kit CSCR-58-MK. Moves manifold out from engine to allow clearance at valve covers.
- 5. **CSCR-58-MK** **Mounting Kit,** for CSCR618 manifold and CS-58 spacer. Includes (2) CS-GH gaskets and mounting bolts. Moves manifold out from engine a total of ¾" using CS-58 spacer.
- 6. **CV-58** **Spacer,** manifold (3 pieces). ⅝" thick. Fits small block GM V8 manifolds. Moves manifold out from engine to allow clearance at valve covers.
- 7. **CV-58-MK** **Mounting Kit,** for CVCR818 (page 39) or CV818-350 manifolds (page 48) and CV-58 spacer. Includes (2) CV-GH gaskets and mounting bolts. Moves manifold out from engine a total of ¾" using CV-58 spacer.
- 8. **CVAB** **Alternator Bracket.** Fits small block Chevy V8 engines. Bolts to cylinder head. For use with Mercruiser/Mando type alternator.
- 9. **CVCA** **Alternator Bracket.** Fits Osco #'s CVCR818 and CSCR618 manifolds. For use with Motorola type alternators.
- 10. **CVCR-FB** **Fuel Filter Bracket.** Fits CSCR618 and CVCR818 manifolds. For use with Mercruiser and Volvo type fuel filters.
- 11. **FLCR-FB** **Fuel Filter Bracket.** Fits small block Ford V8 engines. For use with Mercruiser type fuel filters. Bolts to cylinder head.
- 12. **CS-GH** **Gasket,** manifold to cylinder head. Fits CSCR618 manifold and CS-58 spacer.
- 13. **CV-GH** **Gasket,** manifold to cylinder head. Fits CVCR818 manifold and CV-58 spacer.
- 14. **CVBC-A** **Alternator Bracket.** For replacing early Volvo one piece manifold and riser on small block Chevy V8 engines. Includes mounting hardware and spacers. Use with CVCR818 manifold, port side.

