

11/25/02

PART NO. 31029

**1998-2000 LS1 CAMARO/FIREBIRD
DUAL/DUAL POWER-FLO™
EXHAUST SYSTEM**

PACKING LIST				
<u>Item #</u>	<u>Check</u>	<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	<input type="checkbox"/>	1	310301650	Free-Flow Muffler
2	<input type="checkbox"/>	1	10168	Intermediate Pipe
3	<input type="checkbox"/>	1	10166	Over-axle Pipe
4	<input type="checkbox"/>	1	310301494	Left Tailpipe w/Tip
5	<input type="checkbox"/>	1	310301495	Right Tailpipe w/Tip
6	<input type="checkbox"/>	2	308302902	2 1/2" Exhaust Clamps
7	<input type="checkbox"/>	1	307400101	Hardware Package
8	<input type="checkbox"/>	1	*****	Installation Instructions

INSTALLATION INSTRUCTIONS

1. Vehicle must be raised to allow sufficient working space underneath. A vehicle lift will make this installation easier, however, jack stands or ramps will also work.
2. Remove the entire exhaust system from the catalytic converter Y-pipe outlet back, starting with the muffler, then the intermediate pipe.
3. Remove the bolt-on hanger tab from stock intermediate pipe at the over-axle point of pipe and re-bolt loosely to bracket on new 3" over-axle pipe. Install the over-axle pipe into position, engaging the hanger through rubber block on passenger side frame rail. Slide a 3" muffler clamp onto inlet end of over-axle pipe. Slip the inlet end of intermediate pipe, with 2-1/2" band clamp on it, over outlet of converter Y-pipe and insert outlet end into inlet of over-axle pipe. Tighten the 2-1/2" and 3" clamp just enough to hold pipes in position.
4. Insert the two threaded steel bars into the holes on the insides of each side rear box frame near bumper and using the four 8mm allen bolts with lock-washers on them, install the two tailpipe hanger brackets to chassis. Be sure the wire loops on brackets both face the inside of the vehicle and the open ends face forward with tab bent upwards. Install a rubber hanger onto each side tailpipe hanger bracket, but do not tighten bolts yet.
5. Install new muffler and 3" clamp onto end of over-axle pipe until slip joint bottoms, and tighten clamp enough for muffler to still rotate by hand . Position the over-axle pipe for chassis clearance and so the muffler is running horizontal and parallel to heat shielding under fuel tank. Tighten the 3" clamp at loop and intermediate pipe slip joint, along with the 2-1/2" clamp at front of intermediate pipe.
6. Position muffler, and attach each side tailpipe, with 2-1/2" clamps on them, into rubber hangers and onto muffler outlets loosely. The tailpipe tips should be approximately 1" below bumper fascia. Tighten the 3" clamp at muffler inlet, then the four bolts on tailpipe hangers. Lastly, tighten each 2-1/2" clamp on tailpipe inlets.