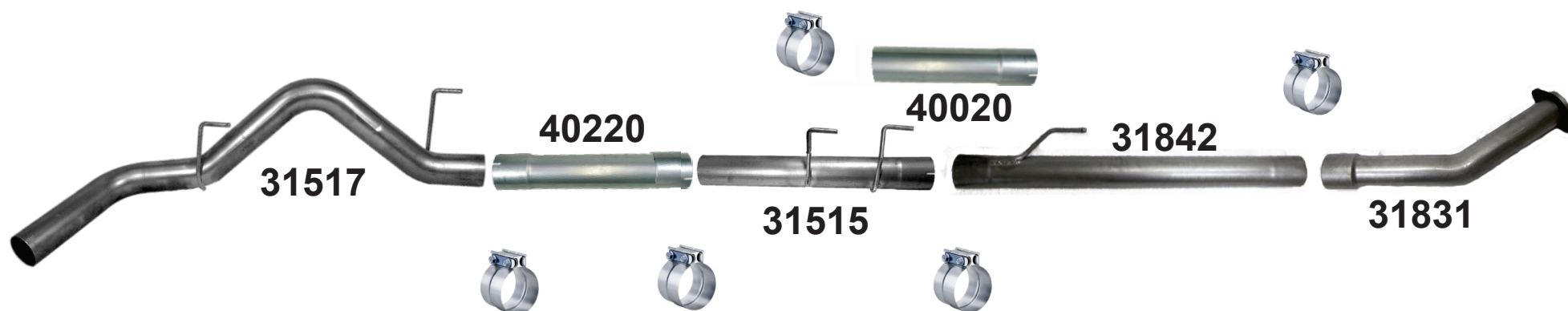


RACE
APPLICATION
ONLY

889NM

2018 FORD F-150 3.0L POWERSTROKE
3" DOWNPIPE - 4" SINGLE TAILPIPE
NO MUFFLER



- ☐ 1 - 31831
- ☐ 1 - 31842
- ☐ 1 - 40020
- ☐ 1 - 31515
- ☐ 1 - 31517
- ☐ 1 - 40220
- ☐ 1 - LJ350
- ☐ 4 - LJ400

THIS PART IS FOR USE ON
NON-REGISTERED RACE VEHICLES
ON CLOSED-COURSE COMPETITION EVENTS

INSTALLING OR USING THIS PART ON ANY EMISSION
CONTROLLED VEHICLE (STREET OR OFF-ROAD) MAY
VIOLATE FEDERAL AND/OR STATE EMISSIONS LAWS
AND REGULATIONS

NOT AVAILABLE TO SHIP TO CALIFORNIA

FLO~PRO
PERFORMANCE EXHAUST

PICKED BY: _____



**WARNING: BEFORE YOU BEGIN, VERIFY
THAT YOU RECEIVED THE RIGHT KIT &
EACH PART LISTED ON THE REVERSE PAGE**



**KIT # 889NM
2018 FORD F-150 3.0L POWERSTROKE
3" DOWNPIPE – 4" SINGLE TAILPIPE W/O MUFFLER**

Warning:

*This system is designed for **race use only**. May also void manufacturer's warranty. Allow the truck's exhaust system to cool before removal. Always practice safe work habits, i.e. jack stands, gloves, safety glasses etc.*

Notes:

- *****ALWAYS MAKE SURE ALL COMPONENTS ARE IN FLO~PRO BOX ACCORDING TO PICK SHEET BEFORE STARTING REMOVAL OF STOCK EXHAUST SYSTEM*****
- *FLO~PRO Performance Exhaust Systems are designed to fit stock trucks with OEM hitches, tires, wheels, and spare sizes. Any suspension lifts or other variations may require modification of the new exhaust system for proper fit and finish.*
- *WD40 or equal will make removal of hangers easier. A small tack with a mig welder is recommended on all clamp connections.*
- **DO NOT** fully torque clamps until full system is installed and adjusted.
- **Installation of this kit is intended to be done on a lift or hoist with at least two people.**

Removal of OEM exhaust system

1. Remove the factory skid plate by loosening the 4 8mm bolts and 1 11mm nut.
2. Remove all 9 sensors from DPF and SCR systems and tie them up out of the way.
3. Loosen the bolt on the clamp holding the muffler and mid pipe together then remove the two hangers attached to the frame of the truck as show in figure A-1 (the hanger supporting the muffler will be reinstalled for new system) and then remove the rearmost hanger that supports the tailpipe as shown in figure A-2.
4. Remove the 3 bolts in the flange in the middle of the factory system, now you are able to carefully twist the SCR pipe and the factory muffler/tailpipe assembly to release the slotted locator nub and pull the two pieces apart and remove the SCR pipe from the truck. See figure B-1
5. Remove the two nuts at the turbo connection using a 15mm socket and then remove the factory downpipe section from the truck.

Installation of new FLO~PRO exhaust

1. Install downpipe (part # 31831) and snug the nuts up so that the pipe can be moved with some effort.
2. Install intermediate pipe (part #31842) sliding the hanger into the factory isolator as you connect to the downpipe. This connection should have 1.25" of overlap and your clamp should seat right on the edge of the expansion. See figure C-1
3. Install pipe #31515 into the hangers on the frame (one you removed previously) Depending on your specific truck you may have one or both hangers present on the frame. See figure C-2
4. With pipe #31515 in place you can now measure the gap between it and pipe #31842 to determine the amount of extension pipe #40020 you may need to trim off for a perfect fit.

Note: Always allow for overlap at each end of a pipe before trimming.

5. With extension pipe and #31515 in place you can now install the muffler replacement pipe #40220 and support with a stand.
6. Now carefully fit the tailpipe #31517 from the rear, over the axle. Both hangers will have to be inserted at the same time as pipe #40220. (this can be tricky and may require some force to manipulate the 40220 onto the tailpipe. (manipulation of the spare tire heat shield may be required for increased clearance around the new tailpipe)
7. Check for overall alignment of the system and then starting at the turbo, tighten all bolts and clamped connections.

**Technical Support: 1-800-762-4286 or e-mail, techsupport@flopro.com
www.flopro.com**

FIG. A-1

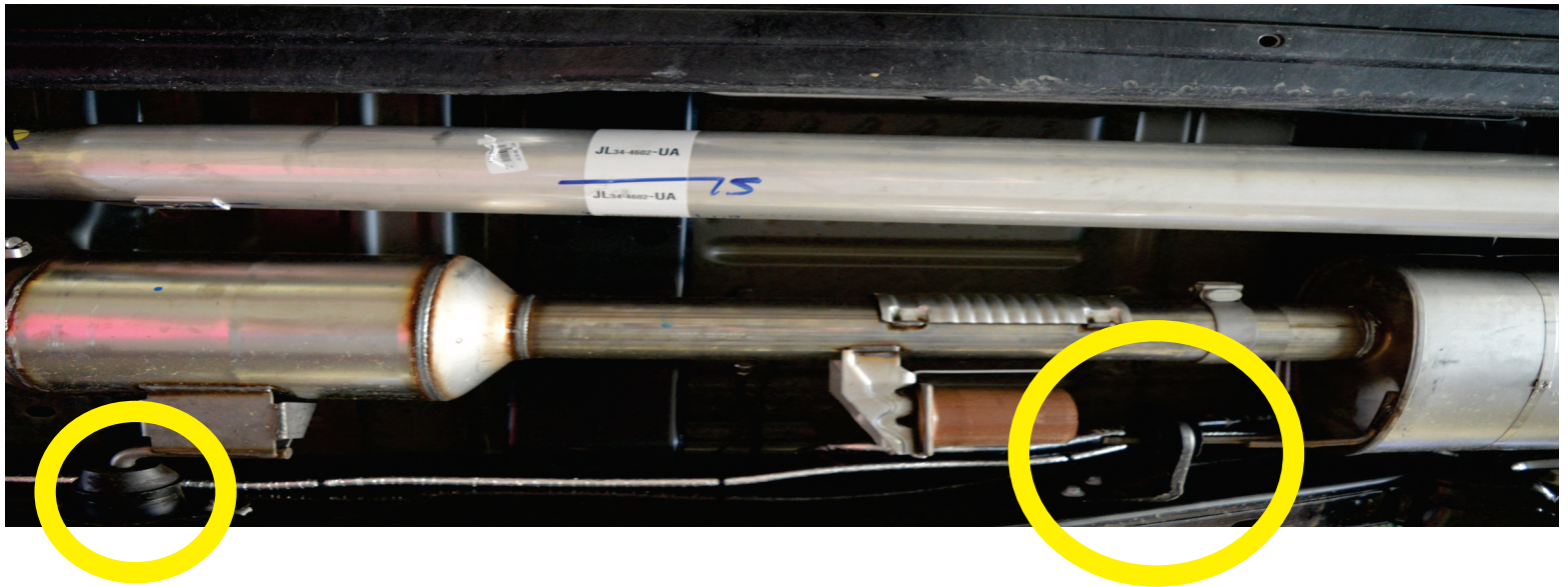


FIG. A-2

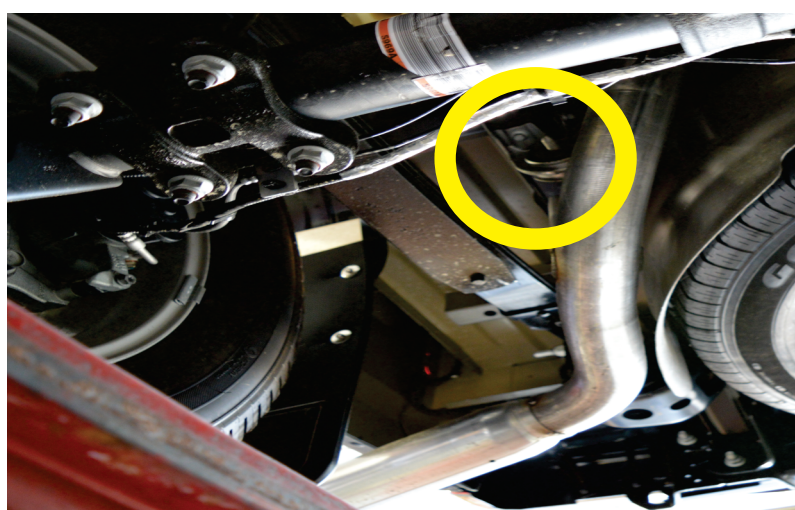


FIG. B-1

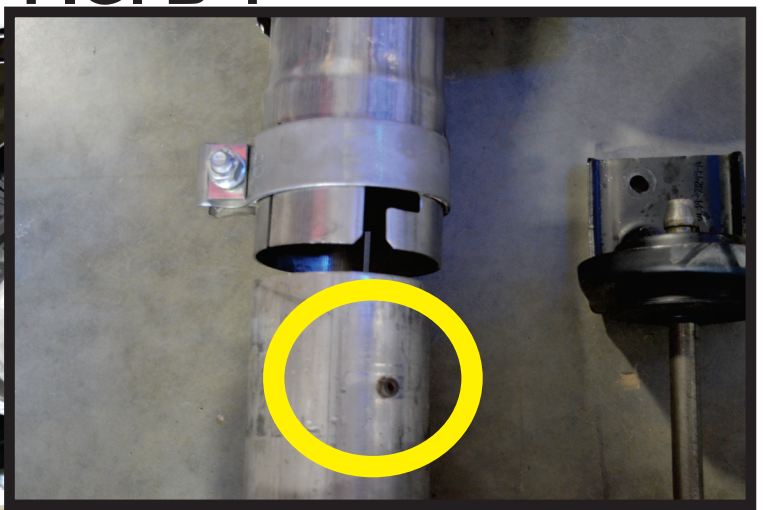


FIG. C-1

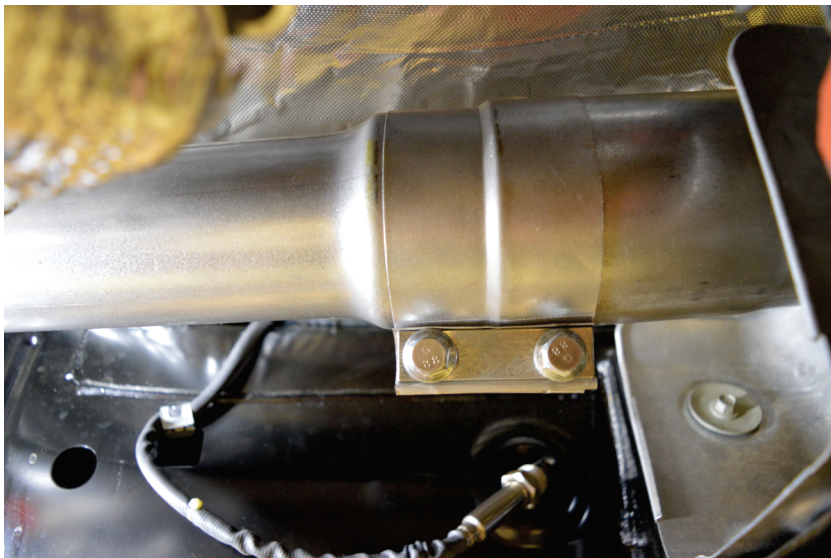


FIG. C-2

