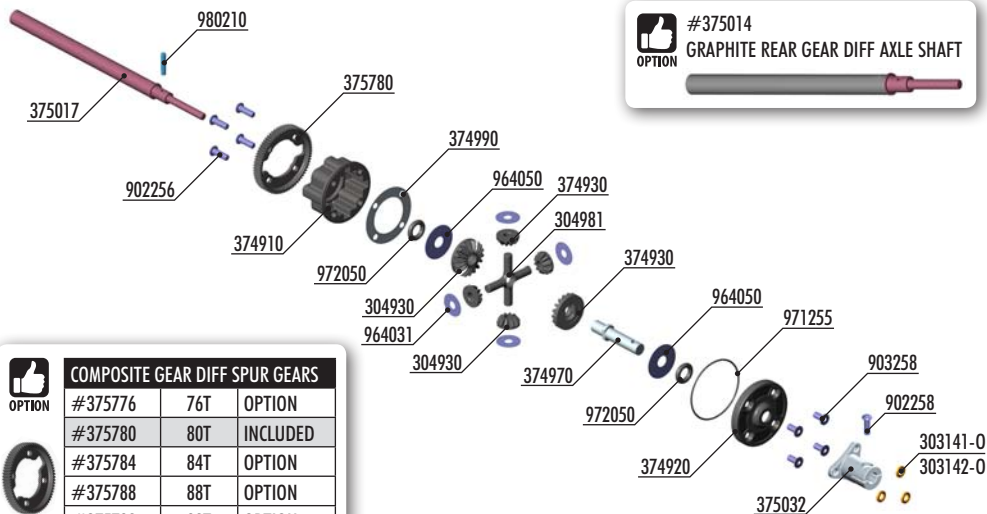
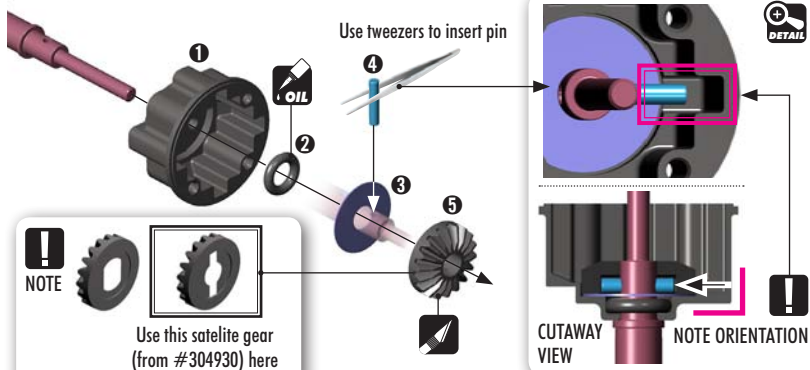


#374900 XRAY Gear Differential 1/12 Pan Cars - Set



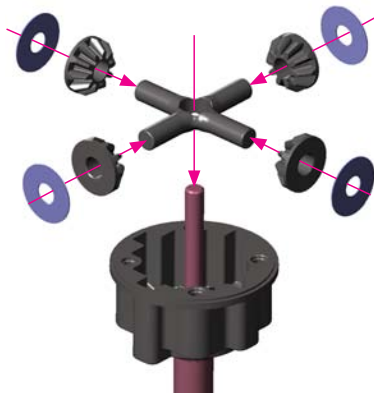
30 3141-0 ALU SHIM 3x5x1.0MM - ORANGE (10)
 30 3142-0 ALU SHIM 3x5x0.5MM - ORANGE (10)
 30 4930 COMPOSITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)
 30 4981 COMPOSITE GEAR DIFF CROSS PIN WITH HOLE
 37 4900 XRAY GEAR DIFFERENTIAL 1/12 PAN CARS - SET
 37 4910 COMPOSITE GEAR DIFFERENTIAL CASE - GRAPHITE
 37 4920 COMPOSITE GEAR DIFFERENTIAL COVER - GRAPHITE
 37 4930 COMPOSITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)
 37 4970 ALU GEAR DIFF SHAFT - SWISS 7075 T6
 37 4990 DIFF GASKET (4)
 37 5017 REAR GEAR DIFF AXLE SHAFT - HUDY SPRING STEEL™

37 5032 X12 ALU GEAR DIFF REAR WHEEL HUB - SWISS 7075 T6
 37 5780 COMPOSITE GEAR DIFF SPUR GEAR - 80T / 64P
 90 2256 HEX SCREW SH M2.5x6 (10)
 90 2258 HEX SCREW SH M2.5x8 (10)
 90 3258 HEX SCREW SFH M2.5x8 (10)
 96 4031 WASHER S 3.5x10x0.2 (10)
 96 4050 WASHER S 5x15x0.3 (10)
 97 1255 SILICONE O-RING 25.5x0.7 (10)
 97 2050 SILICONE O-RING 5x2 (10)
 98 0210 PIN 2x9.8 (10)





964031
S 3.5x10x0.2

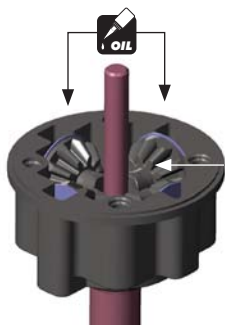


It is important that the diff cross enters the differential case freely.
If not, use the hobby knife to remove the remaining material.

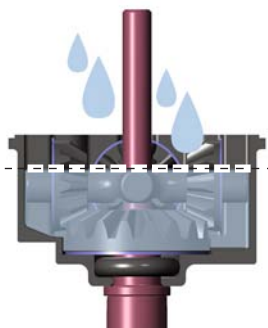


Silicone oil

Fill just above the cross-pins.



Fill differential up to the top of the diff cross-pins. DO NOT fill the diff to the top of the housing.



TIP

HUDY Premium Silicone Oil

LOW TRACTION	
500 cSt	#106350
550 cSt	#106355
600 cSt	#106360
650 cSt	#106365
700 cSt	#106370
750 cSt	#106375
800 cSt	#106380
900 cSt	#106390
1000 cSt	#106410

MEDIUM-HIGH TRACTION	
2000 cSt	#106420
3000 cSt	#106430
4000 cSt	#106440
5000 cSt	#106450

SUPER-HIGH TRACTION	
6000 cSt	#106460
7000 cSt	#106470
8000 cSt	#106480
10000 cSt	#106510

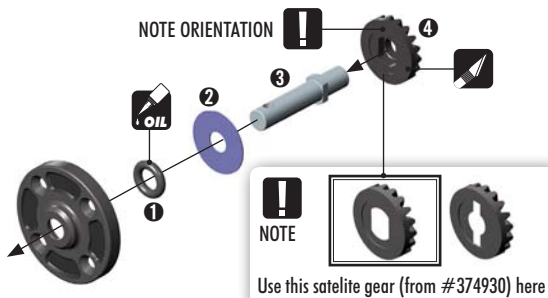
NOTE: Softer oil increases steering and traction, harder oil increases stability and cornering speed of the car.



964050
5.5x15x0.3



972050
O 5x2



NOTE ORIENTATION

OIL

NOTE

Use this satellite gear (from #374930) here



DETAIL



CUTAWAY VIEW



971255
O 25.5x0.7



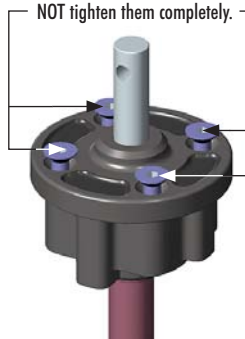
After disassembling the gear diff the large O-ring may have an increased size and may be more difficult to re-install. We recommend either inserting the old O-ring carefully in the diff cover, or replacing the old O-ring with a new O-ring if the old one cannot be made to fit properly.



903258
SFH M2.5x8

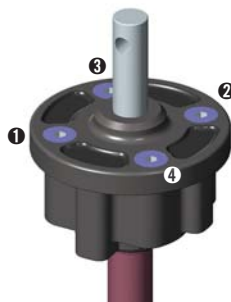


Tighten the screws equally but do NOT tighten them completely.



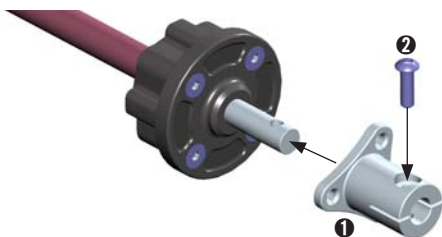
DETAIL

Finish tightening in this order.

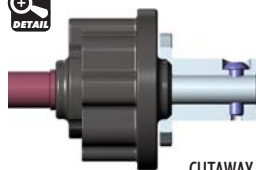




902258
SH M2.5x8



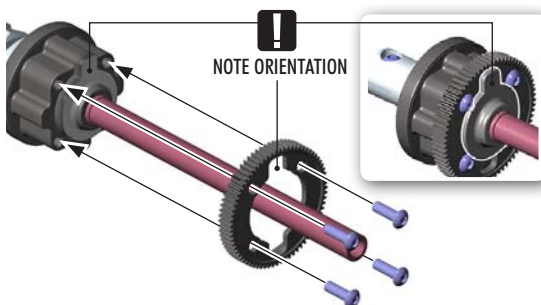
DETAIL



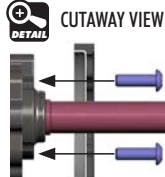
CUTAWAY VIEW



902256
SH M2.5x6



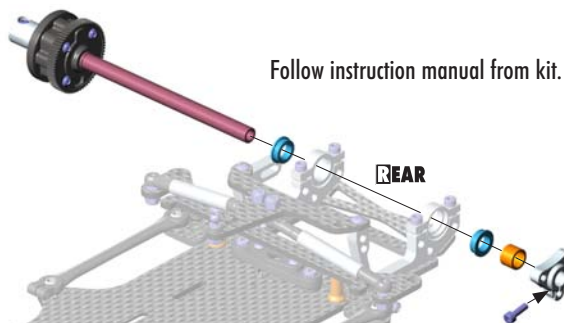
DETAIL



NOTE ORIENTATION



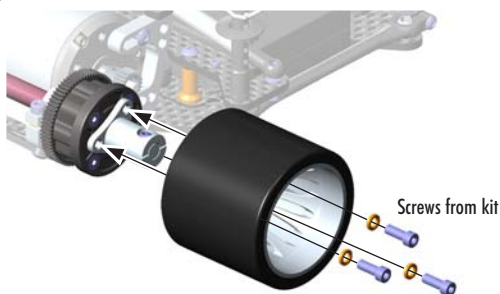
908258
SCH M2.5x8



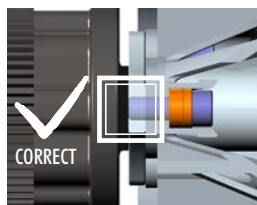
303142-0
SHIM 3x5x0.5



303141-0
SHIM 3x5x1



It is very important that the wheel screws do not extend through the alu gear diff rear wheel hub.
Depending on the wheel brand, use the aluminum shims:
3x5x0.5 (#303142-0), and
3x5x1.0 (#303141-0)



CUTAWAY VIEW

