

NO INDEX

Results 1		Execution plan - 1
		<code>explain(analyze) SELECT * FROM inspect WHERE json_object->'inspe</code> <small>Enter a SQL expression to filter results (use Ctrl+Space)</small>
Grid	1	Seq Scan on inspect (cost=0.00..163.64 rows=1 width=891) (actual time=0.034..9.207 rows=14 loops=1)
	2	Filter: ((json_object -> 'inspections'::text) @> '[{"vin": "JN8AF5MR7CT494101"}]::jsonb)
	3	Rows Removed by Filter: 962
	4	Planning time: 0.076 ms
	5	Execution time: 9.229 ms

```
CREATE INDEX inspect_inspections_gin_idx ON inspect USING gin ((json_object->'inspections'));
```


```
explain(analyze)
```

```
SELECT * FROM inspect WHERE json_object->'inspections' @> '[{"vin": "JN8AF5MR7CT494101"}]';
```

```
CREATE INDEX inspect_inspections_gin_idx ON inspect USING gin ((json_object->'inspections'));
```

```
explain(analyze)
```

```
SELECT * FROM inspect WHERE json_object->'inspections' @> '[{"vin": "JN8AF5MR7CT494101"}]';
```

Results 1  Execution plan - 1	
explain(analyze) SELECT * FROM inspect WHERE json_object->'inspections' @> '[{"vin": "JN8AF5MR7CT494101"}]'; Enter a SQL expression to filter results (use Ctrl+Space)	
ABC QUERY PLAN 	
1	Bitmap Heap Scan on inspect (cost=20.01..24.02 rows=1 width=891) (actual time=0.059..0.239 rows=14 loops=1)
2	Recheck Cond: ((json_object -> 'inspections'::text) @> '[{"vin": "JN8AF5MR7CT494101"}]::jsonb)
3	Heap Blocks: exact=11
4	-> Bitmap Index Scan on inspect_inspections_gin_idx (cost=0.00..20.01 rows=1 width=0) (actual time=0.025..0.026 rows=14 loops=1)
5	Index Cond: ((json_object -> 'inspections'::text) @> '[{"vin": "JN8AF5MR7CT494101"}]::jsonb)
6	Planning time: 0.159 ms
7	Execution time: 0.267 ms

Generate from sheet

```
= "SELECT json_object FROM inspect WHERE json_object->'inspections' @> '[' & ""vin"" & ": " & """" & A2 & """" & "]" & "';"
```

```
drop index driver_drivernb cascade;
```

```
drop index truck_trucknb_drivenb cascade;
```

```
create index driver_drivernb on driver(driver_number);
```

```
create index truck_trucknb_drivenb on truck(truck_number,driver_number);
```

```
vacuum analyze truck;
```

```
vacuum analyze driver;
```

```
vacuum analyze verification_request;
```